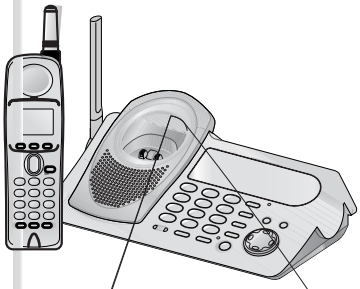
Panasonic®

5.8 GHz Digital Cordless Answering System

Operating Instructions

Model No. KX-TG5471

Pulse-or-tone dialing capability



This unit is Caller ID compatible. To display the caller's name and phone number, you must subscribe to Caller ID service.

PLEASE READ BEFORE USE AND SAVE.

Charge the battery for 6 hours before initial use.

Panasonic World Wide Web address: http://www.panasonic.com
for customers in the USA or Puerto Rico

Thank you for purchasing your new Panasonic cordless telephone.

Please read the IMPORTANT SAFETY INSTRUCTIONS on page 86 before use. Read and understand all instructions.

Caller ID and Call Waiting Service, where available, are telephone company services. After subscribing to Caller ID this phone will display a caller's name and phone number. Call Waiting Caller ID, which displays a second caller's name and phone number while the user is on another call, requires a subscription to both Caller ID and Call Waiting with Caller ID services (CWID).

Attach your purchase receipt here.

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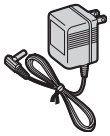
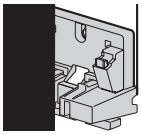
Accessories (included)

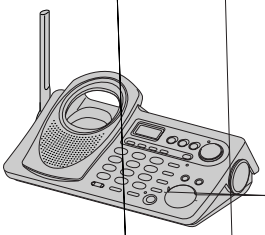
For extra orders, call 1-800-332-5368.
For hearing or speech impaired TTY users, call 1-866-605-1277.

☐ AC Adaptor for Base Unit (p. 11) Order No. PQLV1Z (PQLV1)  one	☐ Telephone Line Cord (p. 11) Order No. PQJA10075Z one	☐ Wall Mounting Adaptor (p. 70) Order No. PQKL10063Z4  one
☐ Handset Cover (p. 12) Order No. PQYNTG5471SR one	☐ Battery (p. 12) Order No. HHR-P104 one	☐ Belt Clip (p. 69) Order No. PQKE10377Z6 one

For Best Performance

Battery charge

The handset is powered by a rechargeable Nickel-Metal Hydride (Ni-MH) battery. Charge the battery for **6 hours** before initial use (p. 12).



Base unit location/Noise

Calls are transmitted between the base unit and handset using wireless radio waves. **For maximum distance and noise-free operation**, the recommen base unit location is:

Note:

- If you use the h microwave oven which is being used, noise may be heard from th e speaker. Move away from the microwave oven and closer to th
- If you u near another cordless phone's base unit, noise may be heard rom the other cordless phone's base unit and closer to your ba

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Important

Throughout these Operating Instructions, **Handset** and **Base Unit** are used to indicate with which unit an operation can be performed.

Handset: Perform with the handset.

Base Unit: Perform with the base unit.

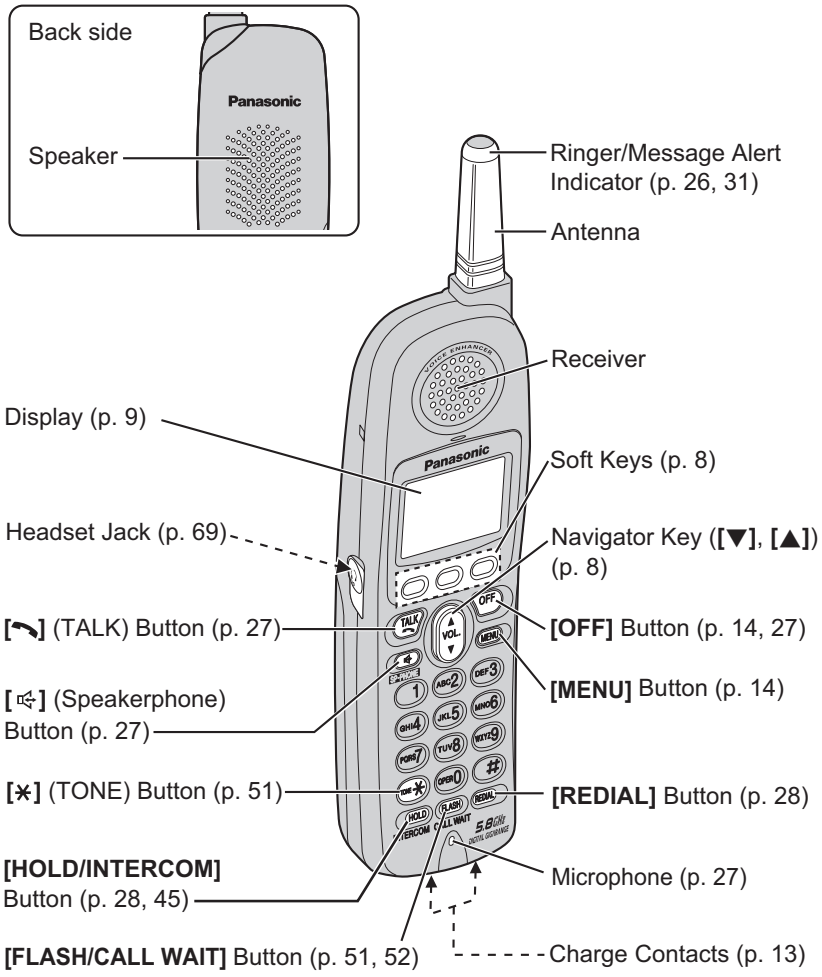
Handset **Base Unit**: Perform with the handset and base unit separately.

Handset & Base Unit: Perform with the handset and base unit together.

Location of Controls

Base unit

Handset


Back side
Panasonic
Speaker
Ringer/Message Alert Indicator (p. 26, 31)
Antenna
Receiver
Display (p. 9)
Soft Keys (p. 8)
Headset Jack (p. 69)
Navigator Key ([▼], [▲]) (p. 8)
[ ] (TALK) Button (p. 27)
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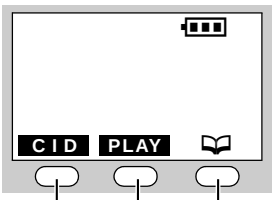
[∗] (TONE) Button (p. 51)
[REDIAL] Button (p. 28)
[HOLD/INTERCOM] Button (p. 28, 45)
Microphone (p. 27)
[FLASH/CALL WAIT] Button (p. 51, 52)
Charge Contacts (p. 13)

Location of Controls

How to use the soft keys/navigator keys

Handset soft keys



Three soft keys are used to select functions displayed directly above each key. Functions displayed above each key will change depending on the state of use.

On this sample display, "CID", "PLAY" and "📖" are displayed above the soft keys.

Pressing the right soft key selects the Phone Book "📖".

Pressing the middle soft key selects message playback "PLAY".

Pressing the left soft key reviews Caller ID information in the Caller List "CID".

- When a function name does not appear above a soft key, the soft key has no function.

Throughout these Operating Instructions, the soft keys are indicated by their icons, such as CID, PLAY and 📖.

Handset navigator key

Scrolls up **[▲]** and down **[▼]** the function menu, the Caller List and the phone book.
Increases **[▲]** or decreases **[▼]** the handset ringer and receiver/speaker volumes.

Throughout these Operating Instructions, the handset navigator key is indicated by the arrows **[▼]** or **[▲]**.

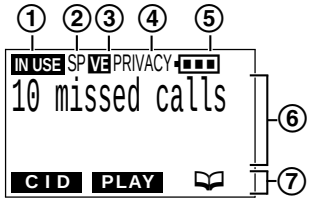
Base unit navigator key

Increases **[▲]** or decreases **[▼]** the base unit ringer and speaker volumes.
Selects the base unit ringer tone **[|◀◀]** and **[▶▶|]**.
Repeats **[|◀◀]** or skips **[▶▶|]** recorded messages.

Throughout these Operating Instructions, the base unit navigator key is indicated by the arrows **[▼]**, **[▲]**, **[|◀◀]** or **[▶▶|]**.

Displays

Handset



① "[redacted]" functions as follows.

Off (invisible)	The line is free.
On	The line is being used.
Flashing	A call is on hold on the handset or base unit, or the Answering System is answering a call (p. 58).
Flashing rapidly	A call is being received.

② "SP" is shown when you are using the handset speakerphone.

③ " " indicates Voice Enhancer mode is on (p. 29).

④ "PRIVACY" indicates Call Privacy mode is on (p. 50). The base unit user cannot join your conversation.

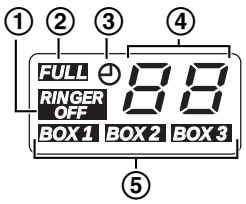
⑤ The battery icon indicates battery strength (p. 12).

⑥ The display shows the dialed number, call status, programming options, phone book items, Caller ID information, etc.

⑦ The icons on the bottom line indicate the functions of the corresponding soft keys which are located directly below the display (p. 8).
Ex. The soft key below "📖" (phone book icon) is used when storing or viewing phone book items (p. 39, 41).

Displays

Base unit



① "RINGER OFF" indicates the base unit ringer is off (p. 20).

② "FULL" flashes when no new messages can be recorded. Erase unnecessary messages (p. 62).

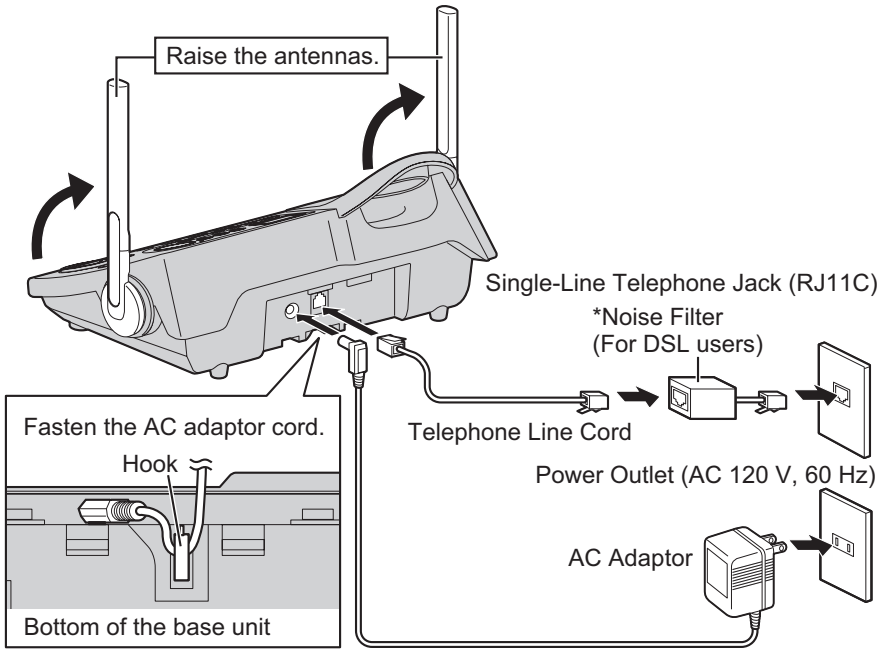
③ "🕘" flashes until you set the date and time, and flashes after a power failure. If it is flashing, set the date and time (p. 16).

④ Message counter shows:
- — the total number of recorded messages in all mailboxes. If the recording time is set to "Greeting only", "99" will be displayed (p. 24).
- — the selected volume level while you are adjusting the speaker volume (p. 23, 30).
- — "P" when **[PROGRAM]** is pressed to store a phone number (p. 44).
- — "E" when your greeting message or memo message was not recorded correctly (p. 22, 63).

⑤ If there are new messages in a mailbox, its icon will flash. If there are only old messages, the icon will be lit. If there are no messages in a mailbox, its icon will not be shown.

Installation

Connections



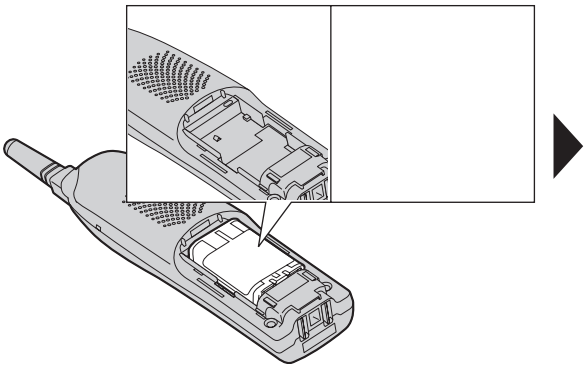
- USE ONLY WITH Panasonic AC ADAPTOR PQLV1 (Order No. PQLV1Z).
- The AC adaptor must remain connected at all times. (It is normal for the adaptor to feel warm during use.)
- The AC adaptor should be connected to a vertically oriented or floor-mounted AC outlet. Do not connect the AC adaptor to a ceiling-mounted AC outlet, as the weight of the adaptor may cause it to become disconnected.
- If your unit is connected to a PBX which does not support Caller ID, you cannot access Caller ID services.
- This unit will not function during a power failure. We recommend connecting a standard telephone to the same telephone line or to the same telephone jack using the Panasonic KX-J66 T-adaptor. Emergency power can be supplied to the unit by connecting the Panasonic battery back-up power supply KX-TCA200.

* If the unit is connected to a telephone line with DSL service, you may hear noise from the receiver or speaker during conversations or the unit may not display caller's name and/or phone number properly. We recommend connecting a noise filter (contact your DSL service provider) to the telephone line between the base unit and the telephone line jack.

Installation

Installing the Battery in the Handset

Insert the battery (①), and press it down until it snaps into the compartment (②). Close the cover.



To replace the battery:
Press the notch on the cover firmly and slide it as indicated by the arrow. Replace the old battery with a new one (p. 13). Close the cover and charge the handset for 6 hours.

Battery Charge

Place the handset on the base unit for **6 hours** before initial use.

- The unit beeps once, the CHARGE indicator lights and "**Charging**" is displayed.
- When the battery is fully charged, "**Charge completed**" is displayed if there are no new calls in the Caller List.

Battery strength

You can confirm the battery strength on the handset display.
Battery strength is indicated by the icons shown in the chart to the right.

Display prompt	Battery strength
	Fully charged
	Medium
	Low
(flashing)	Needs to be recharged.
	Discharged

Recharge

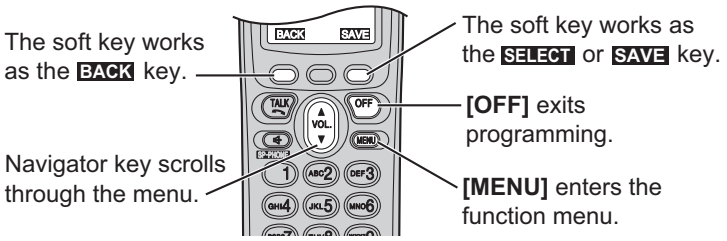
Recharge the battery when:
— "**Recharge battery**" is displayed on the handset,
— " " flashes, or
— the handset beeps intermittently while it is in use.

• The display will continually indicate "**Recharge battery**" and/or " " will

Programmable Settings

Programming Guidelines Handset

The unit has several programmable functions which can be selected from the function menu on the display (p. 15).



How to select a function item from the menu

Make sure the handset and base unit are not being used. The handset must be operated near the base unit and while off the base unit.

1 Press **[MENU]**.
- The main menu is displayed (p. 15).

2 Scroll to the desired item by pressing **[▼]** or **[▲]**.

3 Press the soft key (SELECT) to select the desired item.

4 If the item has a sub-menu, select the menu item (p. 15). Repeat steps 2 and 3 until the desired item is displayed. If the item has no sub-menu, go to step 5.

5 Select the desired setting by pressing **[▼]** or **[▲]**, then press the soft key (SAVE).
- A confirmation tone will be heard and the setting will be saved.

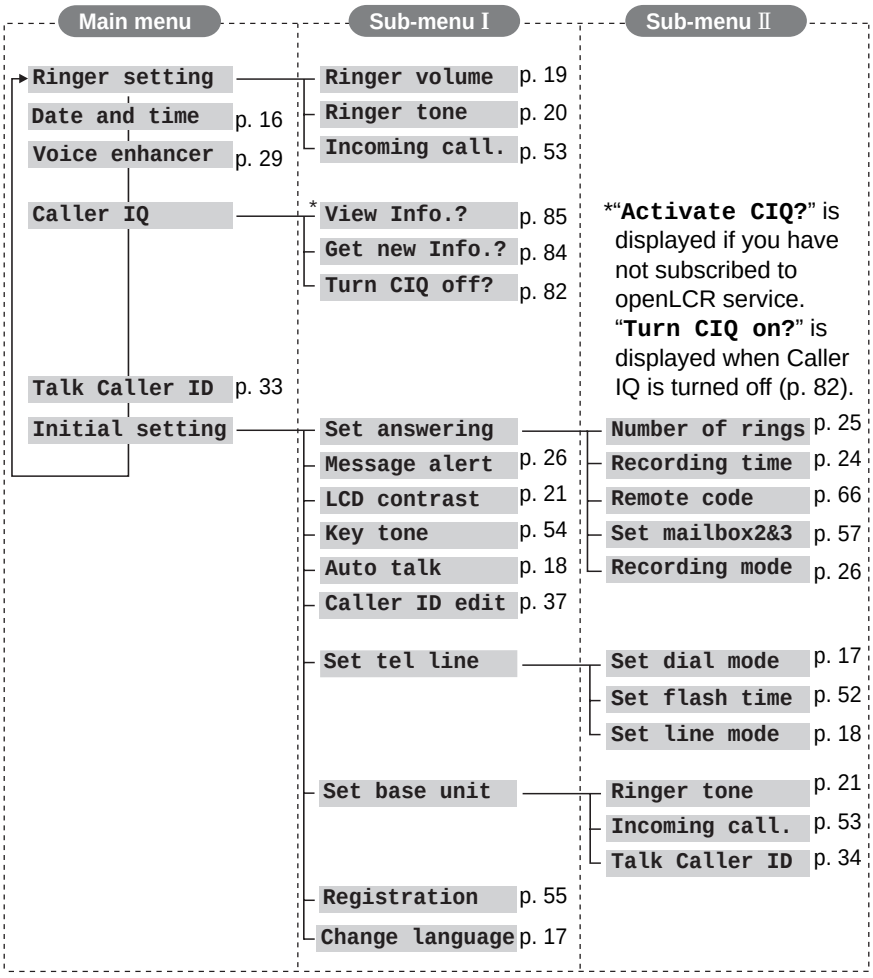
6 Press **[OFF]** to exit programming mode.

- To go back to the previous menu, press the soft key (BACK), or press the soft key (SELECT) while "**---(Go back)----**" is displayed. If you press this key in the main menu, the unit will exit programming mode.
- After programming is complete, the display will return to the main menu or the sub-menu depending on which menu the selected item is located. (See the menu table on page 15.)
- You can exit programming mode at any time by pressing **[OFF]**.
- If you do not press any buttons for 60 seconds, the unit will exit programming mode.
- If the unit detects a problem, an error message will be displayed (p. 75) and/or error beeps will sound.

Function Menu Table Handset

You can use the following functions to customize your unit. See the corresponding pages for function details.

- After pressing **[MENU]**, you can also program menu items directly by pressing (**[0]** to **[9]**, **[✳]** and **[#]**) instead of using the soft keys (p. 73–74).


Main menu
Sub-menu Ⅰ
Sub-menu Ⅱ
Ringer setting
Ringer volume p. 19
Ringer tone p. 20
Incoming call. p. 53
Date and time p. 16
Voice enhancer p. 29
Caller IQ
* View Info.? p. 85
Get new Info.? p. 84
Turn CIQ off? p. 82
*"Activate CIQ?" is displayed if you have not subscribed to openLCR service. "Turn CIQ on?" is displayed when Caller IQ is turned off (p. 82).
Talk Caller ID p. 33
Initial setting
Set answering
Number of rings p. 25
Recording time p. 24
Remote code p. 66
Set mailbox2&3 p. 57
Recording mode p. 26
Message alert p. 26
LCD contrast p. 21
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Auto talk p. 18
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Set flash time p. 52
Set line mode p. 18
Set base unit
Ringer tone p. 21
Incoming call. p. 53
Talk Caller ID p. 34
Registration p. 55
Change language p. 17

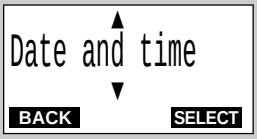
Programmable Settings

Date and Time Handset

We recommend you set the date and time so that the unit will announce the day and time each message was recorded when you play back messages.

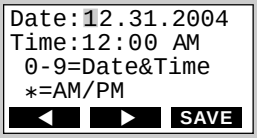
1 Press **[MENU]**.

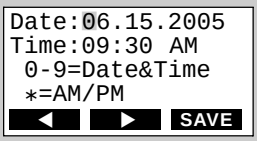
2 Scroll to "**Date and time**" by pressing **[▼]** or **[▲]**, then press the soft key (**SELECT**).



3 (1) Enter 2 digits each for the month, day and year. (Ex. To set June 15, 2005, enter "06 15 05".)
(2) Enter 4 digits for the time (hour and minute). (Ex. To set 9:30, enter "0930".)

- If you enter a wrong number, press the soft key (◄) or (►), or press **[▲]** or **[▼]** to move the cursor to the incorrect number. Enter the correct number.





4 Select "**AM**" or "**PM**" by pressing **[*]**.

5 Press the soft key (**SAVE**).

- The date and time are set and "🕘" disappears from the base unit display.
- If the handset beeps 3 times, the date and time were not set correctly. Start again from step 3.

6 Press **[OFF]**.

- When entering the time, you cannot enter numbers greater than 12. **Do not use military time.** (To set 13:00 hours, enter "0100", and select "PM" in step 4.)

The date and time may be incorrect after a power failure. When "🕘" flashes on the base unit display, set the date and time again.

To confirm the date and time, repeat steps 1 and 2.

- The current date and time are displayed. When finished, press **[OFF]**.

For Caller ID service users (p. 32)

- When a call is received, Caller ID information adjusts the date and time if the time is incorrect.
- Caller ID information will automatically adjust the date and time for daylight saving time.
- If the date and time have not been previously set, Caller ID information will not adjust the date and time.

Display Language Handset

You can select either “English” or “Spanish” as the display language. The factory preset is “English”.

1 Press **[MENU]**.

2 Scroll to “**`Initial setting`**” by pressing **[▼]** or **[▲]**, then press the soft key (**SELECT**).

3 Scroll to “**`Change language`**” by pressing **[▼]** or **[▲]**, then press the soft key (**SELECT**).

4 To change from English to Spanish, press the soft key (**ESPAÑOL**).
To change from Spanish to English, press the soft key (**ENGLISH**).

- The display changes to the selected language.
- You can also select the display language by pressing **[▼]** or **[▲]**.

5 When Spanish is selected, press the soft key (**GUARDAR**), then press **[OFF]**.
When English is selected, press the soft key (**SAVE**), then press **[OFF]**.

- If you select a language you cannot read, change the display language again using direct commands (p. 74).

Dialing Mode Handset

If you have touch tone service, set the dialing mode to “Tone”. For rotary or pulse service, set to “Pulse”. The factory preset is “Tone”.

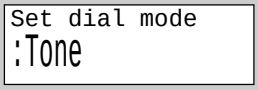
1 Press **[MENU]**.

2 Scroll to “**`Initial setting`**” by pressing **[▼]** or **[▲]**, then press the soft key (**SELECT**).

3 Scroll to “**`Set tel line`**” by pressing **[▼]** or **[▲]**, then press the soft key (**SELECT**).

4 Press the soft key (**SELECT**) at “**`Set dial mode`**”.

5 Select “**`Pulse`**” or “**`Tone`**” by pressing **[▼]** or **[▲]**.



6 Press the soft key (**SAVE**), then press **[OFF]**.

Programmable Settings

Line Mode Handset

The line mode is preset to “B” and generally should not be adjusted. If “ IN USE ” is not displayed on the handset properly, the line mode selection is incorrect. Set line mode to “A”.

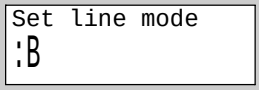
1 Press **[MENU]**.

2 Scroll to “**`Initial setting`**” by pressing **[▼]** or **[▲]**, then press the soft key (SELECT).

3 Scroll to “**`Set tel line`**” by pressing **[▼]** or **[▲]**, then press the soft key (SELECT).

4 Scroll to “**`Set line mode`**” by pressing **[▼]** or **[▲]**, then press the soft key (SELECT).

5 Select “**`A`**” or “**`B`**” by pressing **[▼]** or **[▲]**.



6 Press the soft key (SAVE), then press **[OFF]**.

Auto Talk Handset

The Auto Talk feature allows you to answer calls by simply lifting the handset off the base unit. You do not need to press **[📞]** or **[🔊]**. The factory preset is OFF.

1 Press **[MENU]**.

2 Scroll to “**`Initial setting`**” by pressing **[▼]** or **[▲]**, then press the soft key (SELECT).

3 Scroll to “**`Auto talk`**” by pressing **[▼]** or **[▲]**, then press the soft key (SELECT).

4 Select “**`On`**” or “**`Off`**” by pressing **[▼]** or **[▲]**.

5 Press the soft key (SAVE), then press **[OFF]**.

- In order to view Caller ID information after you lift the handset to answer a call, leave the Auto Talk feature turned off.

Ringer Volume

You can set the handset and base unit ringer volumes to high, medium, low, or off. The factory preset is HIGH. If the handset or base unit ringer is turned off, the handset or base unit will ring at the low level for intercom calls, and will not ring for outside calls. Caller names will not be announced even if the Talking Caller ID feature is turned on (p. 33, 34).

Handset ringer volume

1 Press **[MENU]**.

2 Press the soft key ( ) at "**`Ringer setting`**".

3 Press the soft key ( ) at "**`Ringer volume`**".

4 Select the desired volume by pressing **[▼]** or **[▲]**.

- The volume will change and ring.
- The number of steps indicates the volume level.
- **To turn the ringer off**, press **[▼]** repeatedly until "**`Off ?`**".

- If the handset ringer is turned off, the handset displays "**`Ringer off`**" while not in use.
- You can also adjust the ringer volume while an outside call is ringing. Press **[▼]** or **[▲]** while the handset is ringing.

Temporary ringer off

While the handset is ringing for an outside call, you can turn the ringer off temporarily by pressing **[OFF]**. The handset will ring again as normal the next time a call is received.

8 307T08 5

Programmable Settings

Base unit ringer volume Base Unit

Make sure the base unit is not being used.

To set the ringer volume to high (preset), medium, or low, press **[▼]** or **[▲]**.

- To increase volume, press **[▲]**. To decrease volume, press **[▼]**.
- To stop ringing, press **[STOP]**.

To turn the ringer off, press and hold **[▼]** until 2 beeps sound.

- "RINGER OFF" is displayed.

To turn the ringer on, press **[▼]** or **[▲]**.

- The base unit will ring at the low level.
- You can adjust the ringer volume while an outside call is ringing.
  Press **[▼]** or **[▲]** while the base unit is ringing.
  To turn the ringer off, press and hold **[▼]** until 2 beeps sound. "RINGER OFF" is displayed.

Ringer Tone

You can set the handset and base unit ringers to use one of 7 ringer patterns for outside calls. "Tone 1" to "Tone 3" are bell ringer patterns. "Melody 1" to "Melody 4" are preset melody patterns. The factory preset is "Tone 1".

- You cannot change the ringer tone for intercom calls.
- If you subscribe to a Distinctive Ring Service (such as IDENTA-RING) from your telephone company with 2 or 3 consecutive rings, select a bell ringer pattern (Tone 1 to 3). If you select a melody pattern, you will not be able to distinguish lines by their ringers.
- If you select one of the melody ringer patterns, the ringer will continue to sound for several seconds if:
  — the caller hangs up before you answer the call, or
  — another person answers the call using another phone connected on the same line.

Handset ringer tone Handset

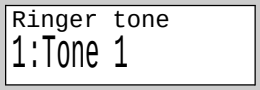
1 Press **[MENU]**.

2 Press the soft key (SELECT) at "**Ringer setting**".

3 Scroll to "**Ringer tone**" by pressing **[▼]** or **[▲]**, then press the soft key (SELECT).

4 Select the desired ringer tone by pressing **[▼]** or **[▲]**.

- The handset will ring and the ringer tone will change. If the ringer volume has been turned off, the handset will not ring (p. 19).
- You can also select the ringer tone by pressing **[1]** to **[7]**.



5 Press the soft key (SAVE), then press **[OFF]**.

Base unit ringer tone (use either the handset or the base unit)

Base Unit

Make sure the base unit is not being used.

1 Press **[|◀◀]** or **[▶▶|]**.
- The base unit will ring using the current ringer tone. If the ringer volume has been turned off, the base unit will not ring (p. 20).

2 Press **[|◀◀]** or **[▶▶|]** repeatedly to select the desired tone.
- Each time you press **[|◀◀]** or **[▶▶|]**, another ringer tone will be heard and selected.
- To stop ringing, press **[STOP]**.
- You can also select the ringer tone by pressing **[1]** to **[7]**.
  [1] to **[3]**: Bell ringer patterns **[4]** to **[7]**: Melody patterns

Selecting the base unit ringer tone by using the Handset

1 Press **[MENU]**.

2 Scroll to "**Initial setting**" by pressing **[▼]** or **[▲]**, then press the soft key (SELECT).

3 Scroll to "**Set base unit**" by pressing **[▼]** or **[▲]**, then press the soft key (SELECT).

4 Press the soft key (SELECT) at "**Ringer tone**".

5 Follow steps 4 and 5 of "Handset ringer tone" on page 20.
- When selecting the ringer tone, the base unit will ring. If the base unit ringer volume has been turned off (p. 20), the base unit will not ring.

LCD Contrast Handset

There are 6 levels of LCD contrast. The factory preset is "level 3".

1 Press **[MENU]**.

2 Scroll to "**Initial setting**" by pressing **[▼]** or **[▲]**, then press the soft key (SELECT).

3 Scroll to "**LCD contrast**" by pressing **[▼]** or **[▲]**, then press the soft key (SELECT).

4 Select the desired contrast by pressing **[▼]** or **[▲]**.
- The contrast will change.
- The number of steps indicates the contrast level.

Ex. Level 3

5 Press the soft key (SAVE), then press **[OFF]**.

Preparing the Answering System

Greeting Message Base Unit

You can record a personal greeting message of **up to 2 minutes**. If you do not record your own message, one of two pre-recorded greetings will be played for callers (p. 23).

The total recording time of all messages (greeting, incoming and memo) is **about 16 minutes**. We recommend you record **a brief greeting message** in order to leave more time for recording new messages.

• You can use the enhanced recording mode for clearer sound, if necessary (p. 26).

To record a greeting message

Greeting message samples

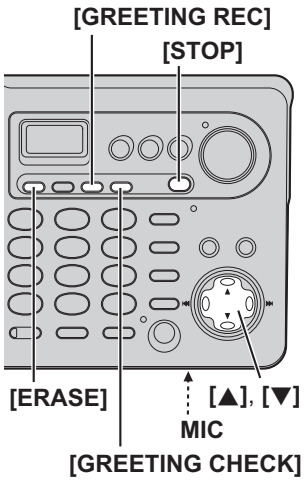
- "Hello, this is (your name and/or number). Sorry, I cannot take your call. Please leave a message after the beep. Thank you."
- **To instruct callers to leave a message in a specific mailbox (Mailbox 1, Mailbox 2, or Mailbox 3) (for mailboxes see page 56):**
  "Hello, this is (your name and/or number). Sorry, we cannot take your call. If you have a message, for John press **[#]** and **[1]**, for Jane press **[#]** and **[2]**, for Jack press **[#]** and **[3]**, before the beep. Or just stay on the line and leave a message after the beep. Thank you."

1 Press **[GREETING REC]**.
- "To record greeting, press RECORD again" is heard.

2 Within 10 seconds, press **[GREETING REC]** again to record your greeting.

3 After the long beep, talk clearly, about 20 cm (8 inches) away from the **MIC** (microphone).
- The elapsed recording time is displayed.
- If you record for over 2 minutes, the unit will stop recording.

4 When finished, press **[GREETING REC]** or **[STOP]**.
- To change the greeting, start again from step 1.



• If "E" is displayed, 6 beeps sound and "Your greeting was not recorded. Record your greeting again." is announced, start again from step 1.

To review the greeting

Press **[GREETING CHECK]**.

To adjust the speaker volume, press **[▼]** or **[▲]** during playback.

• 9 levels (0–8) are available while using the Answering System. The level is displayed on the base unit.

To erase the greeting

Press **[GREETING CHECK]**, then press **[ERASE]** while the recorded message is being played.

• The unit will answer calls with a pre-recorded greeting (see below).

Pre-recorded greeting

If you do not record a greeting (p. 22), one of two greetings will be played when a call is received, depending on the caller's recording time (see below).

To review the pre-recorded greeting, press **[GREETING CHECK]**.

• A pre-recorded greeting will be played as follows:

■ When the recording time is set to "1 minute", "2 minutes" or "3 minutes": "Hello, we are not available now. Please leave your name and phone number after the beep. We will return your call."

• If recording time runs out, the unit will automatically switch to the "Greeting only" mode (see below), and no new messages will be recorded.

■ When the recording time is set to "Greeting only": "Hello, we are not available now. Please call again. Thank you for your call."

Flash Memory Message Backup (Message storage)

Messages stored in memory will not be affected by power failures. All messages are saved until you erase them.

Caller's Recording Time Handset

You can select "1 minute", "2 minutes", "3 minutes" or "Greeting only" for the caller's recording time. The factory preset is "3 minutes".

1 Press **[MENU]**.

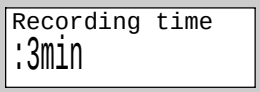
2 Scroll to "**Initial setting**" by pressing **[▼]** or **[▲]**, then press the soft key (**SELECT**).

3 Press the soft key (**SELECT**) at "**Set answering**".

4 Scroll to "**Recording time**" by pressing **[▼]** or **[▲]**, then press the soft key (**SELECT**).

5 Select the recording time by pressing **[▼]** or **[▲]**.

- You can also select the recording time by pressing **[1]**, **[2]**, **[3]**, or **[0]** (Greeting only).



6 Press the soft key (**SAVE**), then press **[OFF]**.

If you select "**Greeting only**", the unit will answer a call with the greeting message, and then hang up. The unit will not record any incoming messages. The base unit will display "9ᴳ" instead of the number of messages.

Number of Rings Handset

You can select the number of times the unit rings before the Answering System answers a call, from “2” to “7” or “Toll saver”*. The factory preset is “4”.

1 Press **[MENU]**.

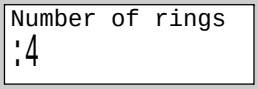
2 Scroll to “**`Initial setting`**” by pressing **[▼]** or **[▲]**, then press the soft key (**SELECT**).

3 Press the soft key (**SELECT**) at “**`Set answering`**”.

4 Press the soft key (**SELECT**) at “**`Number of rings`**”.

5 Select the number of rings by pressing **[▼]** or **[▲]**.

- You can also select the number of rings by pressing **[0]** (Toll saver*), or **[2]** to **[7]**.
- **The unit will announce a caller’s name after the 2nd ring (Talking Caller ID, p. 32, 33). To listen to the name announcements, do not select “2”.**



6 Press the soft key (**SAVE**), then press **[OFF]**.

***Toll saver**
When you call the unit from a remote location, the number of rings will tell you if there are any new messages. If the unit answers on the 2nd ring, there is at least one new message. If the unit answers on the 4th ring, there are no new messages. To save the toll charges for the call, hang up immediately when you hear the 3rd ring. The 3rd ring indicates that there are no new messages.

- The unit will announce a caller’s name after the 2nd ring (Talking Caller ID, p. 32, 33). If “Toll saver” is selected, and there is a new message, the unit will not announce the caller’s name.

Recording Mode Handset

Two recording modes are available. The factory preset is “Standard recording (16 min)”, which provides more recording time (16 min) and standard sound quality. “Enhanced recording (8 min)” provides less recording time (8 min) but clearer sound quality.

1 Press **[MENU]**.

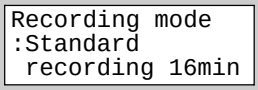
2 Scroll to “**Initial setting**” by pressing **[▼]** or **[▲]**, then press the soft key (SELECT).

3 Press the soft key (SELECT) at “**Set answering**”.

4 Scroll to “**Recording mode**” by pressing **[▼]** or **[▲]**, then press the soft key (SELECT).

5 Select the recording mode by pressing **[▼]** or **[▲]**.

- You can also select the recording mode by pressing **[1]** (Standard) or **[2]** (Enhanced).



6 Press the soft key (SAVE), then press **[OFF]**.

Message Alert Handset

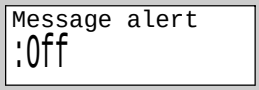
You can select whether or not the Ringer/Message Alert indicator on the handset will flash slowly when new messages have been recorded (p. 59). The factory preset is OFF.

1 Press **[MENU]**.

2 Scroll to “**Initial setting**” by pressing **[▼]** or **[▲]**, then press the soft key (SELECT).

3 Scroll to “**Message alert**” by pressing **[▼]** or **[▲]**, then press the soft key (SELECT).

4 Select “**On**” or “**Off**” by pressing **[▼]** or **[▲]**.



5 Press the soft key (SAVE), then press **[OFF]**.

- The Ringer/Message Alert indicator will not flash for new messages while the handset is in use.
- The Ringer/Message Alert indicator acts as a ringer indicator and as a message alert indicator. This indicator will flash rapidly when a call is received whether this feature is on or off.
- Battery operating time may be shortened when using this feature (p. 13).

Making Calls

Using the Handset Handset

1 Press **[ ]**.
- "**Talk**" is displayed.

2 Dial a phone number.
- The dialed number is displayed.
- After a few seconds, the display will show the length of the call.

3 To hang up, press **[OFF]** or place the handset on the base unit.

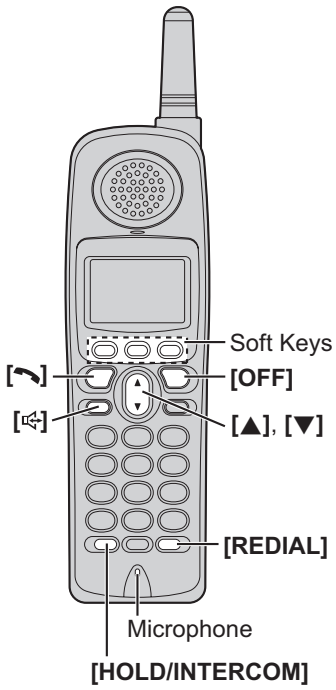
To have a hands-free phone conversation

1 Press **[ ]**.
- "**SP-phone**" is displayed.

2 Dial a phone number.
- The dialed number is displayed.
- After a few seconds, the display will show the length of the call.

3 When the other party answers, talk into the microphone.

4 To hang up, press **[OFF]** or place the handset on the base unit.



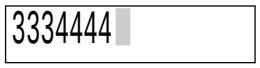
Hands-free Digital Duplex Speakerphone

For best performance, please note the following:

- Talk alternately with the other party in a quiet room.
- If you or the other party has difficulty hearing, press **[▼]** to decrease the speaker volume.
- While talking using **[ ]**, you can switch to a hands-free phone conversation by pressing **[ ]**. To switch back to the receiver, press **[ ]**.

To dial after confirming the entered number

1. Enter a phone number.



- If you misdial, press the soft key (**CLEAR**). Enter the correct phone number.
- If a pause is required when dialing, press the soft key (**PAUSE**) where needed (p. 50).
- To cancel, press **[OFF]**.

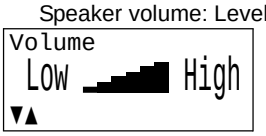
2. Press **[ ]** or **[ ]**.
3. To hang up, press **[OFF]** or place the handset on the base unit.

To adjust the receiver/ speaker volume during a conversation

There are 3 volume levels for the receiver and 6 volume levels for the speaker.

To increase volume, press **[▲]**.
To decrease volume, press **[▼]**.

Ex. Receiver volume: High
Speaker volume: Level 6



- The display shows the current volume setting.
- If you try to increase/decrease volume when it is at the maximum/minimum level, the handset will beep 3 times.

To redial the last number dialed

Press **[ ]** or **[ ]**, then press **[REDIAL]**.

To redial using the redial list (Memory Redial)

The last 5 phone numbers dialed are stored in the redial list.

1. Press **[REDIAL]**.
   - The last number dialed is displayed.
2. Scroll to the desired number by pressing **[▼]** or **[▲]**.
   - You can also scroll down through the list by pressing **[REDIAL]**.
   - To exit the list, press **[OFF]**.
3. Press **[ ]** or **[ ]**.

- **To erase an item**, scroll to the item then press the soft key (**ERASE**).
- If "**No items stored**" is displayed, the list is empty.

To put a call on hold

1. Press **[HOLD/INTERCOM]** during a conversation.
   - "**Press extension# to transfer**" is displayed.
   - To transfer the call to the base unit, see page 47; to transfer to a mailbox, see page 64.
2. Press **[HOLD/INTERCOM]** again.
   - "**Hold**" is displayed.

To return to the call, press **[ ]** or **[ ]**.

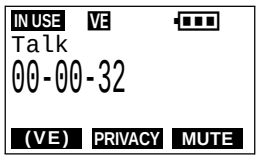
- The base unit user can also take the call by pressing **[SP-PHONE]**.
- If another phone is connected on the same line (p. 11), you can also take the call by lifting its handset.
- If a call is kept on hold for 6 minutes, an alarm tone will start to sound and the Ringer/Message Alert indicator will start to flash rapidly. After 4 additional minutes on hold, the call will be disconnected.

Voice Enhancer Technology

Panasonic's Voice Enhancer Technology clarifies the voice of the person you are talking to, reproducing a more natural-sounding voice that is easier to hear and understand. Voice Enhancer Technology can be turned on or off. The factory preset is OFF.

- Depending on the condition and quality of your telephone line, this feature may emphasize existing line noise. If it becomes difficult to hear, turn this feature off.

To turn this feature on, press the soft key (**(VE)**) during a conversation.



- "**VE**" is displayed.
- **To turn this feature off**, press the soft key (**(VE)**) again. "**VE**" disappears from the display.
- After hanging up a call, the on/off setting will be retained.

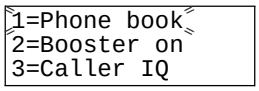
When the handset is not in use, you can also turn this feature on or off by programming as follows:

1. Press **[MENU]**.
2. Scroll to "**Voice enhancer**" by pressing **[▼]** or **[▲]**, then press the soft key (**SELECT**).
3. Select "**On**" or "**Off**" by pressing **[▼]** or **[▲]**.
4. Press the soft key (**SAVE**), then press **[OFF]**.

Clarity Booster

This feature can improve sound clarity when the handset is used in an area where there may be interference. During an outside call, this feature will be turned on automatically when necessary. This feature will turn off when you hang up, put a call on hold, or make a conference call. It will not turn off automatically during a call. You can also turn this feature on or off manually.

1. Press **[MENU]** during an outside call.
2. Press **[2]** to select "**2=Booster on**" or "**2=Booster off**".



   - You can also select "**2=Booster on**" or "**2=Booster off**" by pressing **[▼]** then pressing the soft key (**SELECT**).

- While this feature is turned on, "**Booster on**" will flash during a conversation.
- If this feature is turned off manually during a call, it will not be turned on automatically during the same call.
- When this feature is turned on automatically or manually, battery operating time may be shortened (p. 13).

Backlit LCD display/Lighted handset keypad

The handset display and dialing buttons will light for a few seconds after pressing a button or lifting the handset off the base unit. They will also light when an intercom/outside call is being received.

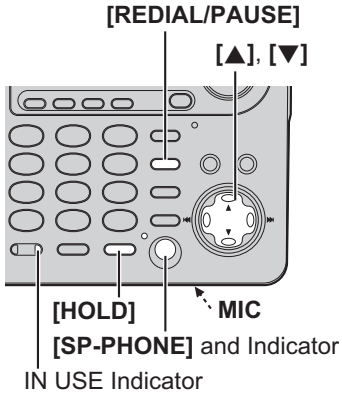
Using the Base Unit Base Unit

1 Press **[SP-PHONE]**.
- The indicator lights.

2 Dial a phone number.
- If you misdial, press **[SP-PHONE]** and start again from step 1.

3 When the other party answers, talk into the **MIC** (microphone).

4 To hang up, press **[SP-PHONE]**.
- The indicator light goes out.



- To switch to the handset while using the base unit speakerphone:
  — If the handset is off the base unit, press **[ ]** or **[ ]** on the handset, then press **[SP-PHONE]** on the base unit.
  — If the handset is on the base unit, just lift up.

Hands-free Digital Duplex Speakerphone
For best performance, please note the following:
- Talk alternately with the other party in a quiet room.
- If you or the other party has difficulty hearing, press **[▼]** to decrease the speaker volume.

To adjust the speaker volume during a conversation

To increase volume, press **[▲]**. To decrease volume, press **[▼]**.

- There are 8 volume levels. If you try to increase/decrease volume when it is at the maximum/minimum level, the base unit beeps 3 times. The level is displayed on the base unit.

To redial the last number dialed

Press **[SP-PHONE]**, then press **[REDIAL/PAUSE]**.

To put a call on hold

Press **[HOLD]** during a conversation.

- The SP-PHONE indicator and IN USE indicator flash.

To return to the call, press **[SP-PHONE]**.

- The handset users can also take the call by pressing **[ ]** or **[ ]**.
- If another phone is connected on the same line (p. 11), you can also take the call by lifting its handset.
- If a call is kept on hold for 6 minutes, an alarm tone will start to sound. After 4 additional minutes on hold the call will be disconnected.

Answering Calls

When a call is received, the unit rings, "**Incoming c**
Ringer/Message Alert indicator on the handset and th
unit flash rapidly.

Handset

1 Press **[ ]** or **[ ]**.
- You can also answer a call by pressing any button except **[▼]**, **[▲]** or **[OFF]**.

2 To hang up, press **[OFF]** or place the handset on the base unit.

Auto Talk
If the Auto Talk feature is turned on (p. 18), you can answer a call by simply lifting the handset off the base unit.

Temporary ringer off
While the handset is ringing for an outside call, you can turn t
temporarily by pressing **[OFF]**. The handset will ring again as
a call is received.

1 Press **[SP-PHONE]**.

2 Talk into the **MIC**.

3 To hang up, press **[SP-PHONE]**.

- **To transfer the call to another unit, see page 47.**
- **To transfer the call to a mailbox to allow the caller to leave a message, see page 64.**
- If the ringer volume is turned off, the unit will not ring (p. 19, 20).

Caller ID Service

This unit is compatible with Caller ID services offered by your telephone company. If you subscribe to Caller ID, caller names and phone numbers will be displayed and recorded in the Caller List.

How Caller ID information is displayed and announced

When a call comes in, the unit will ring and Caller ID information will be received. The handset display will show the caller's information, then the handset and base unit will announce the displayed name (ex. "Call from ROBINSON, TINA") following every ring (**Talking Caller ID feature**, p. 33).

Example

- The handset and base unit announce the caller's name repeatedly until the call is answered.
- After you answer the call, the display will show the length of the call.

- If the unit does not receive Caller ID information, one of the following will be displayed:

Display	Meaning
Out of area	The caller dialed from an area which does not provide Caller ID service.
Private caller	The caller requested not to send his/her information.
Long distance	The caller made a long distance call.

- Depending on radio communications with the base unit, the handset may not display Caller ID information immediately after the first ring.
- If your unit is connected to a PBX which does not support Caller ID, you cannot access Caller ID service.
- Name display service may not be available in some areas. For further information, please contact your telephone company.
- If you subscribe to both Caller ID and Call Waiting with Caller ID service (CWID), when a second call is received while talking, a call waiting tone will be heard and the second caller's information will be displayed (p. 51).
  Contact your telephone company for details about availability in your area, and to verify that CWID service is activated on your telephone line.

Talking Caller ID Handset Base Unit

To use this feature, you need to subscribe to Caller ID. For further information, please contact your telephone company.

- If the unit does not receive Caller ID information, the unit will announce "Call from out of area", "Call from private caller", or "Call from long distance". If a call is received from an area where name display service is not available, "Number available" will be announced.
- If the ringer volume of the handset and the base unit is off, caller names will not be announced. The announcement is heard at the handset or base unit ringer volume (p. 19, 20).
- If this feature is not turned on, caller names will not be announced (see below and page 34).
- If you have Call Waiting service, the second caller's information will be displayed but not announced (For Call Waiting Service Users, p. 51).
- Name pronunciation may vary. Name pronunciation quality is based on names most commonly used in the United States.
- The unit will announce each letter of abbreviations, such as "Co." and "Inc.".
- Caller ID supports names of up to 15 letters. If the caller's name has more than 15 letters, the name will not be displayed or announced correctly.
- If you subscribe to a Distinctive Ring Service (such as IDENTA-RING) from your telephone company with 2 or 3 consecutive rings, your unit may mute one or more of the rings in order to announce the name of the caller.
- The unit will announce the caller's name after the 2nd ring. If you turn on the Answering System (p. 58), and set the number of times the unit rings to "2" (p. 25), the unit will not announce the caller's name. If "Toll saver" is selected (p. 25), and there is a new message, the unit will not announce the caller's name.

To turn on or off Talking Caller ID feature

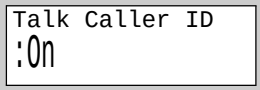
You can turn on or off Talking Caller ID feature for the handset and base unit separately. If this feature is turned off, the unit will not announce caller names. The factory preset is ON.

Handset Talking Caller ID feature Handset

1 Press **[MENU]**.

2 Scroll to "**Talk Caller ID**" by pressing **[▼]** or **[▲]**, then press the soft key (SELECT).

3 Select "**Off**" or "**On**" by pressing **[▼]** or **[▲]**.



4 Press the soft key (SAVE), then press **[OFF]**.

Caller ID Service

Base unit Talking Caller ID feature Handset

This feature must be turned on or off for the base unit by using the handset.

1 Press **[MENU]**.	
2 Scroll to "**`Initial setting`**" by pressing **[▼]** or **[▲]**, then press the soft key (SELECT).	Initial setting
3 Scroll to "**`Set base unit`**" by pressing **[▼]** or **[▲]**, then press the soft key (SELECT).	Set base unit
4 Scroll to "**`Talk Caller ID`**" by pressing **[▼]** or **[▲]**, then press the soft key (SELECT).	Talk Caller ID
5 Select "**`Off`**" or "**`On`**" by pressing **[▼]** or **[▲]**.	Talk Caller ID :On
6 Press the soft key (SAVE), then press **[OFF]**.	

Using the Caller List

The unit can record information up to 50 different callers and store this information in the Caller List. Caller information is sorted by the most recent call to the oldest. When the 51st call is received, the information from the 1st call is deleted.

The unit will also tell you how many calls you missed while you were out or unavailable to answer the phone.

② Stands for Caller ID

① The handset display will show the number of calls you missed.

② Press the soft key (CID), **[▼]**, or **[▲]** to review other calls logged in the Caller List.

- If there are no items in the Caller List, "CID" will not be displayed.
- After viewing the missed call entries, "**`missed calls`**" will disappear from the display.

Viewing the Caller List Handset

1 Press the soft key (CID), **[▼]**, or **[▲]** to enter the Caller List.

Ex. 10 calls missed.

```
  Caller list
10 missed calls

▼▲=Scroll list
```

2 To search from the most recent call, press **[▼]**. To search from the oldest call, press **[▲]**.

- The caller's name, number and the time and date of the call are displayed.

Example

```
SMITH,JACK
1-555-333-4444
 3:10P JUN.10
```

3 Press **[OFF]** to exit the list.

- If there is no name information for a caller, the display will only show the phone number.
- If you do not press any buttons for 60 seconds, the unit will exit the Caller List.

What "√" means

"√" indicates you have already viewed this calling information or answered the call. If the same caller calls again, the call entry with the "√" will be replaced with the new call entry.

```
SMITH,JACK
1-555-333-4444
 3:10P JUN.10 √
```

If a caller calls more than once

The number of times the same caller called is displayed ("×2" to "×9"). The date and time of the most recent call will be recorded. After viewing a caller's information, "×2" to "×9" will be replaced with "√".

Ex. Called 3 times.

```
TURNER,CINDY
1-555-456-7890
11:20A JAN.12 ×3
```

Calling Back from the Caller List Handset

1 Press the soft key (CID), **[▼]**, or **[▲]** to enter the Caller List.

2 Scroll to the desired caller by pressing **[▼]** or **[▲]**.

3 Press **[ ]** or **[ ]**.

- The phone number is dialed.

- In some cases, you may have to edit the number before dialing (p. 36). (Ex. You may have to delete "1" and the area code.)
- If a phone number is not displayed in the caller information, you cannot call that caller back from the Caller List.

Editing the Caller's Phone Number Handset

You can edit a phone number in the Caller List by removing its area code and/or the long distance code "1".
Once you call back an edited number, this unit can automatically edit incoming phone numbers from the same area code in the Caller List and each time you receive a call (**Caller ID Number Auto Edit**, p. 37).

1 Press the soft key (**CID**), **[▼]**, or **[▲]** to enter the Caller List.

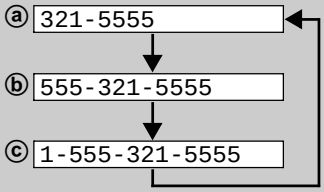
2 Scroll to the desired caller by pressing **[▼]** or **[▲]**.

3 Press the soft key (**EDIT**) repeatedly until the number is shown in the desired format.

- Each time you press the soft key (**EDIT**), the number is rearranged into one of 3 patterns.

ⓐ Phone no.
ⓑ Area code – Phone no.
ⓒ 1– Area code – Phone no.

- The order in which patterns ⓐ–ⓒ are displayed depends on how the telephone number is displayed in step 2.



4 **To call the edited number**, press **[ ]** or **[ ]**.

- If Caller ID Number Auto Edit feature is turned on (factory preset is on), phone numbers with the same area code as the number you edited will now be updated in the Caller List and each time you receive a call.
- You can press **[OFF]** immediately after pressing **[ ]** or **[ ]** if you wish to activate the Auto Edit feature without actually dialing the number you just edited.

To save the edited number into the phone book, press the soft key (**SAVE**).

- If there is no name information, see "Storing Caller Information in the Phone Book" on page 38, from step 3.
- Even if the Auto Edit feature is turned on, phone numbers in the Caller List and the phone book will not be updated. To update the numbers in the phone book, it is necessary to manually store the phone numbers from Caller List to the phone book (p. 38).

Caller ID Number Auto Edit Handset

Once you call back an edited number (p. 36), this unit can automatically edit incoming phone numbers from the same area code in the Caller List and each time you receive a call. For example, it can ignore the area code of calls originating from your area code, so that you can call these numbers from the Caller List without dialing the area code.

To activate this feature, you must edit a caller's phone number in the Caller List (p. 36) by selecting pattern ⓐ, ⓑ, or ⓒ, then make a call to that number. Calls from numbers in that area code will be edited automatically. The unit can remember up to 4 area codes to be edited according to patterns ⓐ and ⓑ.

When more than 5 area codes are edited, older area codes are reset to pattern ⓒ. Phone numbers from the 4 most recently edited area codes will be automatically edited.

You can turn this feature on or off using the handset. The factory preset is ON.

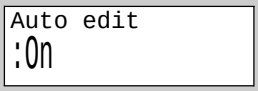
To turn on or off Caller ID Number Auto Edit feature

1 Press **[MENU]**.

2 Scroll to "**`Initial setting`**" by pressing **[▼]** or **[▲]**, then press the soft key (**SELECT**).

3 Scroll to "**`Caller ID edit`**" by pressing **[▼]** or **[▲]**, then press the soft key (**SELECT**).

4 Select "**`Off`**" or "**`On`**" by pressing **[▼]** or **[▲]**.



5 Press the soft key (**SAVE**), then press **[OFF]**.

- If you fail to reach your destination when making a call, the phone number you dialed might have an incorrect pattern. Edit the phone number with another pattern (p. 36).
- When this feature is turned off, the unit will still be able to display Caller ID, but incoming Caller ID numbers will not be automatically edited.
- If you move to another area you may need to turn this feature off to erase the previously edited area codes. To use this feature again, turn it on and reprogram the area codes you want to be edited once again.

Using the Caller List

Storing Caller Information in the Phone Book

Caller names and phone numbers that are in the Caller List can be stored in the phone book.

1 Press the soft key ( ), **[▼]**, or **[▲]** to enter the Caller List.

2 Scroll to the desired caller by pressing **[▼]** or **[▲]**.
- If the number requires editing, see page 36.

3 Press the soft key ( ).
- If there is no name information for the caller, "**`Enter name`**" will be displayed.
  - — You can enter a name by performing the following steps:
    (1) enter the name (p. 40),
    (2) press **[▼]**, and
    (3) press the soft key ( ).
  - — If a name is 0.0019 Tw Tc0 Tn ent-formation0n ee3.78 482.48 Tm- Tm- Tm2T153.24 561.8 mes r)Press t

- You cannot store Caller List items in the phone book if a phone number is not displayed.

Erasing Caller Information

To erase a specific caller

To erase all entries

Phone Book

The handset can store up to 50 names and phone numbers in its phone book. You can make a call by selecting a name or number from the phone book.

Storing Names and Numbers

• If a pause is required when dialing, press the soft key ( ) in step 4. A pause is stored in a phone number as o5.9(e .447Nitmber a(p)6.7(4)511.6(50)5.4(ook.)]TJ/TT-2 1 Tf-27.38 -1.34 Tm0 Tc0

Phone Book

Selecting characters to enter names

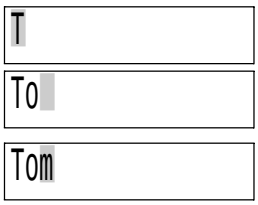
Enter names using the dialing buttons. Press each button until the desired character is displayed.

• Pressing each button selects a character in the order shown below.

Keys	Characters	Keys	Characters
[1]	# & ’ ( ) ∗ , – . / 1	**[6]**	m n o M N O 6
[2]	a b c A B C 2	**[7]**	p q r s P Q R S 7
[3]	d e f D E F 3	**[8]**	t u v T U V 8
[4]	g h i G H I 4	**[9]**	w x y z W X Y Z 9
[5]	j k l J K L 5	**[0]**	0 Space
◀	Moves the cursor to the left.		
▶	Moves the cursor to the right. (To enter another character using the same number key, move the cursor to the next space.)		

For example, to enter “Tom”:

1. Press **[8]** four times.
2. Press **[6]** three times, then press the soft key (▶) to move the cursor.
3. Press **[6]** once.



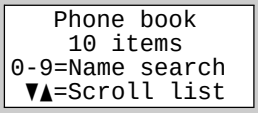
If you make a mistake while entering a name or number

1. Press the soft key (◀) or (▶) to move the cursor to the incorrect character.
2. Press the soft key (CLEAR) to delete the character.
   • Each time you press the soft key (CLEAR), a character is erased.
   • To erase all characters, press and hold the soft key (CLEAR).
3. Enter the correct character.

Dialing from the Phone Book Handset

1 Press the soft key (📖).

- The display shows the number of stored items.
- You can press the soft key (SEARCH) to view the first item.



2 Scroll to the desired item. To scroll down, press **[▼]**. To scroll up, press **[▲]**.

Phone book items are sorted in the following order:	
1	Alphabet letters (Alphabetical)
2	Space & ' ( ) , – . /
3	Numbers 0 to 9
4	# ∗
5	Telephone numbers (If no name is stored)

3 Press **[↷]**, **[🔊]**, or the soft key (CALL).

- The phone number is dialed.

- If "**No items stored**" is displayed in step 1, the phone book is empty.
- To exit the phone book, press **[OFF]**.

To search for a name by initial

1. Press the soft key (📖).
2. Press the dialing button for the first letter of the desired name until any name with the same initial is displayed (see the Index table below).

   Ex. To find "Frank", press **[3]** repeatedly until the first item under "F" is displayed.

   - If there are no items beginning with the character you selected, the first item in the next alphabetical index will be displayed.
3. Press **[▼]** repeatedly until the desired name is displayed.

Index table

Keys	Index	Keys	Index
[1]	Symbols, 1	**[6]**	M, N, O, 6
[2]	A, B, C, 2	**[7]**	P, Q, R, S, 7
[3]	D, E, F, 3	**[8]**	T, U, V, 8
[4]	G, H, I, 4	**[9]**	W, X, Y, Z, 9
[5]	J, K, L, 5	**[0]**	0, Space

Phone Book

Chain Dial Handset

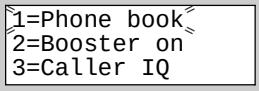
You can dial a combination of phone book or manual key pad entries while making a call. This feature can be used, for example, to first automatically dial a calling card access number that you have stored in the phone book, then manually or automatically dial your PIN and then automatically dial the destination number from the phone book.

Ex. Using a long distance calling card

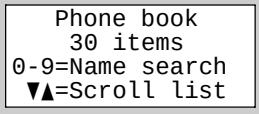
- To prevent misdialing, we recommend you add pauses where needed when storing numbers. For example, add pauses after a calling card access number and your PIN when storing in the phone book (p. 39).

1. Search and dial from the phone book: 1-800-012-3456 (Calling card access number)
   - The voice guidance may be announced.
2. Search and dial from the phone book: 1234 (Calling card PIN)
3. Search and dial from the phone book: 1-555-012-3456 (Destination Number)

1 **While you are on a call;**
Press **[MENU]**.



2 Press the soft key (**SELECT**) at "**1=Phone book**", or press **[1]**.



3 Search for the desired item by pressing **[▼]** or **[▲]**.
- To search for an item by initial, see page 41.

4 Press the soft key (**CALL**).
- The phone number is dialed.
- If required, repeat steps 1 to 4 for any remaining numbers.

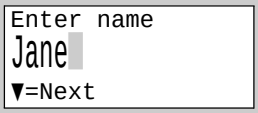
- If you have rotary or pulse service, you need to press **[✳]** before pressing **[MENU]** in step 1 to change the dialing mode temporarily to tone.

Editing an Item in the Phone Book Handset

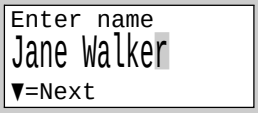
1 Press the soft key (📖).

2 Scroll to the desired item by pressing **[▼]** or **[▲]**.
- To search for the item by initial, see page 41.

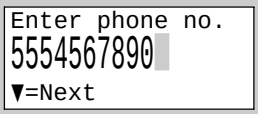
3 Press the soft key (**EDIT**).



4 Edit the name (p. 40), then press **[▼]**.
- If you do not need to change the name, press **[▼]** then go to step 5.
- To move the cursor, press the soft key (◀) or (▶).



5 Edit the phone number, then press **[▼]**.
- If you do not need to change the number, press **[▼]** then go to step 6.
- To delete a digit, press the soft key (**CLEAR**). To delete all of the digits, press and hold the soft key (**CLEAR**).



6 Press the soft key (**SAVE**).
- To continue editing other items, repeat from step 2.

7 Press **[OFF]**.

Erasing an Item in the Phone Book Handset

1 Press the soft key (📖).

2 Scroll to the desired item by pressing **[▼]** or **[▲]**.
- To search for the item by initial, see page 41.

3 Press the soft key (**ERASE**).
- To cancel erasing, press the soft key (**NO**).

4 Press the soft key (**YES**).
- To erase other items, repeat from step 2.

5 Press **[OFF]**.

Speed Dialer

Storing Phone Numbers Base Unit

You can store up to 10 phone numbers in the base unit. The dialing buttons (**[0]** to **[9]**) function as memory stations.

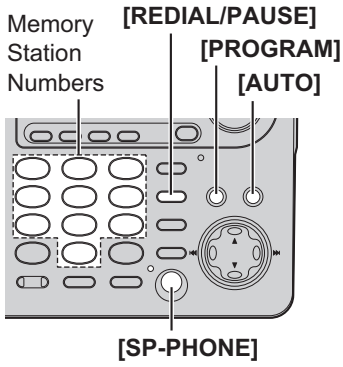
Make sure the base unit is not being used.

1 Press **[PROGRAM]**.
- The IN USE indicator flashes and "P" is displayed.

2 Enter a phone number of up to 32 digits.
- The last digit of the entered number is displayed.
- If you misdial, press **[PROGRAM]**, and start again from step 1.

3 Press **[AUTO]**.

4 Press a memory station number (**[0]** to **[9]**).
- A long beep sounds and the phone number is saved.
- To store other numbers, repeat from step 1.



- If a pause is required when dialing, press **[REDIAL/PAUSE]** where needed. "P" is displayed when **[REDIAL/PAUSE]** is pressed. A pause counts as one digit (p. 50).
- When **[✱]** is pressed, "ϟ" is displayed. When **[#]** is pressed, "Ξ" is displayed.
- If a phone number is stored in a memory location which already contains a phone number, the old number will be erased.
- We recommend you make a note of which phone numbers are stored in which memory locations.

To erase a stored number

1. Press **[PROGRAM]**, then press **[AUTO]**.
2. Press the memory station number (**[0]** to **[9]**) for the phone number to be erased.
   - A long beep sounds and the phone number is erased.

Dialing a Stored Phone Number Base Unit

1 Press **[SP-PHONE]**.

2 Press **[AUTO]**.

3 Press a memory station number (**[0]** to **[9]**).
- The stored number is dialed.

- Speed dial numbers stored in the base unit can only be dialed from the base unit.

Intercom

Intercom calls can be made between the handset and the base unit.

Making Intercom Calls

From Handset

1 Press **[HOLD/INTERCOM]**.
- The paged unit will ring for 1 minute.
- To stop paging, press **[OFF]**.

2 When the paged party answers, start talking.
- You can switch to the speaker by pressing **[🔊]**. To switch back to the receiver, press **[📞]**.

3 To disconnect the intercom, press **[OFF]**.

From Base Unit

Using this feature, you can also locate a misplaced handset.

1 Press **[LOCATOR/INTERCOM/TRANSFER]**.
- The LOCATOR/INTERCOM/TRANSFER and SP-PHONE indicators light.
- The handset will ring for 1 minute.
- To stop paging, press **[SP-PHONE]** or **[LOCATOR/INTERCOM/TRANSFER]**.

2 When the paged party answers, talk into the **MIC**.

3 To disconnect the intercom, press **[SP-PHONE]** or **[LOCATOR/INTERCOM/TRANSFER]**.
- The indicator lights go out.

During an intercom call:
- If you have difficulty hearing while using the speakerphone on the handset or base unit, decrease the speaker volume by pressing **[▼]**.
- If an incoming call is being received, you will hear two tones (incoming call tone, p. 53) and the IN USE indicator on the base unit will flash rapidly.
  To answer the call;
  — if using the handset, press **[OFF]**, then press **[📞]** or **[🔊]**.
  — if using the base unit, press **[SP-PHONE] twice**.

Intercom

Answering Intercom Calls

Handset

When the handset is paged, it rings and the Ringer/Message Alert indicator flashes rapidly.

1 Press **[ ]**, **[ ]** or **[HOLD/INTERCOM]**.
- You can also answer a page by pressing any button except **[▼]**, **[▲]** or **[OFF]**.

2 To disconnect the intercom, press **[OFF]**.

- If the Auto Talk feature is turned on (p. 18), you can also answer a page by simply lifting the handset off the base unit.

Base Unit

When the base unit is being paged, it rings and the LOCATOR/INTERCOM/TRANSFER indicator flashes.

1 Press **[SP-PHONE]** or **[LOCATOR/INTERCOM/TRANSFER]**.

2 To disconnect the intercom, press **[SP-PHONE]** or **[LOCATOR/INTERCOM/TRANSFER]**.

- When the ringer volume is turned off (p. 19, 20), the handset and the base unit will ring at the low level for intercom calls.
- You cannot change the ringer tone for intercom calls.

Transferring a Call

You can transfer an outside call to the base unit or the handset.

From the Handset to the Base Unit

1 *Handset:*
(1) During a call, press **[HOLD/INTERCOM]**.
• The call is put on hold.
(2) To page the base unit, press **[0]**.
(3) Wait for the paged party to answer, then you can announce the transfer.
• If the paged party does not answer, press **[ ]** or **[ ]** to return to the outside call.

```
Press extension#
to transfer

0=Base 9=Mailbox
```

2 *Base unit:* Press **[SP-PHONE]** or **[LOCATOR/INTERCOM/TRANSFER]** to answer the page.

3 *Handset:* To complete the transfer, press **[OFF]**.

• If the base unit is in use, the display will show "**Busy**" then "**Hold**".
Press **[ ]** or **[ ]** to return to the outside call.
OR
To transfer the call to a mailbox to allow the caller to leave a message, perform the following three steps:
(1) Tell the caller to press the # (pound sign) and the mailbox number of the person they want to leave a message for after you end the call (p. 56).
(2) Press **[HOLD/INTERCOM]**.
(3) Press **[9]** to transfer the caller to the Answering System greeting (p. 64). (The caller will hear the greeting and can select the appropriate mailbox.)

From the Base Unit to the Handset

1 *Base unit:*
(1) During a call, press **[LOCATOR/INTERCOM/TRANSFER]**.
• The call is put on hold.
(2) Wait for the handset user to answer, then you can announce the transfer.
• If the paged party does not answer, press **[LOCATOR/INTERCOM/TRANSFER]** to return to the outside call.

2 *Handset:*
Press **[ ]**, **[ ]**, or **[HOLD/INTERCOM]** to answer the page.
• You can also answer a page by pressing any button except **[▼]**, **[▲]** or **[OFF]**.

3 *Base unit:* To complete the transfer, press **[SP-PHONE]**.

• If the Auto Talk feature is turned on (p. 18), the paged handset user can also answer a page by simply lifting the handset off the base unit.

Transferring a Call

Quick call transfer

You can transfer a call without waiting for the paged party to answer.

From the Handset to the Base Unit

1. During a call, press **[HOLD/INTERCOM]**.
2. Press **[0]**.
3. Press **[OFF]** to hang up.

From the Base Unit to the Handset

1. During a call, press **[LOCATOR/INTERCOM/TRANSFER]**.
2. Press **[SP-PHONE]** to hang up.

- The call will be transferred directly.
- The paged party can answer the transferred call by pressing **[ ]**, **[ ]**, or **[SP-PHONE]**.
- After the paged party answers, the transfer is complete.
- If the paged party does not answer:
  — for the handset, press **[ ]** or **[ ]** to return to the outside call.
  — for the base unit, press **[SP-PHONE]** to return to the outside call.

- If the paged party does not answer within 60 seconds after you hang up, your phone will ring and the call will be returned to your phone. You may speak to the caller again by pressing **[ ]**, **[ ]**, or **[SP-PHONE]**.

  If you do not answer the call within 4 minutes, the call will be disconnected.

  After speaking to the caller, the handset user can also **transfer the caller to a mailbox** by performing the following three steps:
  (1) Tell the caller to press the # (pound sign) and the mailbox number of the person they want to leave a message for after you end the call (p. 56).
  (2) Press **[HOLD/INTERCOM]** on the handset.
  (3) Press **[9]** to transfer the caller to the Answering System greeting (p. 64). (The caller will hear the greeting and can select the appropriate mailbox.)

Conference Calls

While you are talking with an outside caller, the base unit user or the handset user can join the conversation and establish a conference call.

Handset

1. During a call, press **[HOLD/ INTERCOM]**.
   - The call is put on hold.
2. To page the base unit, press **[0]**.
3. When the paged party answers, press the soft key (**CONF**) on your unit to make a conference call.

Base Unit

1. During a call, press **[LOCATOR/INTERCOM/ TRANSFER]** to page the handset.
   - The call is put on hold.
2. When the paged party answers, press **[CONF]** on your unit to make a conference call.

- To leave the conference, press **[OFF]** on the handset or press **[SP-PHONE]** on the base unit. The two other parties can continue the conversation.
- During a conference, the outside call can be placed on hold by pressing **[HOLD/ INTERCOM]** on the handset or **[HOLD]** on the base unit.
  Internal communications between the handset and base unit are not suspended. Only the person who placed the call on hold can resume the full conference by pressing the soft key (**CONF**) on the handset or **[CONF]** on the base unit.

Call Share

This feature allows the base unit or the handset to join an existing outside call.

- To prevent the base unit user from joining your conversation, turn the Call Privacy feature on (p. 50).

To join a conversation (Call Share)

Handset Press **[ ]** or **[ ]**.

- "**Conference**" is displayed.

Base Unit Press **[SP-PHONE]**.

Special Features

Muting Your Conversation

During a call, you can mute your phone so the other party cannot listen to you. When muting your conversation, you can hear the other party.

Handset Press the soft key (MUTE).

- "Mute" will be displayed for a few seconds and "MUTE" will flash.
- **To release the mute**, press the soft key (MUTE) again.
- If you press **[ ]** or **[ ]** to switch between the receiver and speaker, the mute will be released.

Base Unit Press **[MUTE]**.

- The SP-PHONE indicator flashes.
- **To release the mute**, press **[MUTE]** again.

Call Privacy Handset

Call Privacy allows you to prevent the base unit user from joining your conversation with an outside caller. To allow other users to join your conversation, leave this feature off. This feature is only available for the handset.

To turn on the Call Privacy feature:
Press the soft key (PRIVACY) during a conversation.

- "PRIVACY" will be displayed.
- To turn this feature off, press the soft key (PRIVACY) again during a conversation.
- While the Call Privacy feature is turned on, the base unit user cannot join the conversation.
- Call Privacy will turn off after you hang up the call.

Using the PAUSE Button (For PBX Line/Long Distance Calls)

Handset Base Unit

We recommend you press the soft key (PAUSE) on the handset or press **[REDIAL/PAUSE]** on the base unit if a pause is required for dialing with a PBX or to make a long distance call.

- "PAUSE" is displayed on the handset only when dialing before pressing **[ ]** or **[ ]** (p. 28), or storing numbers in the phone book (p. 39).

Ex. Line access number **[9]** (PBX)

[9] ➡ Soft key (PAUSE) or **[REDIAL/PAUSE]** ➡ Phone number

- Pressing the soft key (PAUSE) on the handset or **[REDIAL/PAUSE]** on the base unit once creates a 3.5 second pause. This prevents misdialing when you dial after confirming the entered number (p. 28) or dial a stored number (p. 41, 42, 44).
- Pressing the soft key (PAUSE) on the handset or **[REDIAL/PAUSE]** on the base unit more than once increases the length of the pause between numbers.

Temporary Tone Dialing

(For Rotary or Pulse Service Users) Handset Base Unit

Press **[✳]** (TONE) before entering access numbers which require tone dialing.

- The dialing mode changes to tone. You can enter numbers to access an answering service, electronic banking service, etc. When you hang up, the dialing mode will return to pulse.

For Call Waiting Service Users Handset Base Unit

Press **[FLASH/CALL WAIT]** if you hear a call waiting tone during a conversation.

- The first call is put on hold and you can answer the second call.
- To return to the first caller, press **[FLASH/CALL WAIT]** again.
- Call Waiting service cannot be used when the first call is put on hold or the Answering System is handling a call.
- If this function does not operate properly, consult your telephone company for details.

Call Waiting Caller ID display Handset

If you subscribe to both Caller ID and Call Waiting with Caller ID services (CWID), when a second call is received while talking, the second caller's information will be displayed. After you hear a call waiting tone while talking, the display shows the caller's name with the phone number and "**Waiting**".

- Contact your telephone company for details about availability in your area, and to verify that CWID service is activated on your telephone line.
- The caller's information will only be shown on the display of the handset which is on the outside call.
- The second caller's name will not be announced even if the Talking Caller ID feature is on (p. 33).

FLASH Button Handset Base Unit

Pressing **[FLASH/CALL WAIT]** allows you to use special features of your host PBX such as transferring an extension call, or accessing optional telephone services such as call waiting.

- Pressing **[FLASH/CALL WAIT]** cancels the mute or the Temporary Tone Dialing mode (p. 50, 51).

Selecting the flash time Handset

The flash time depends on your telephone exchange or host PBX.
You can select the following flash times: “700, 600, 400, 300, 250, 110, 100 or 90 ms (milliseconds)”. The factory preset is “700 ms”.

- The setting should stay at 700 ms unless pressing **[FLASH/CALL WAIT]** fails to pick up the Call Waiting call.
- If PBX functions do not work correctly, consult your PBX supplier for the correct settings.

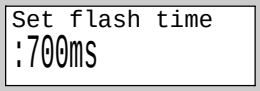
1 Press **[MENU]**.

2 Scroll to “**Initial setting**” by pressing **[▼]** or **[▲]**, then press the soft key (SELECT).

3 Scroll to “**Set tel line**” by pressing **[▼]** or **[▲]**, then press the soft key (SELECT).

4 Scroll to “**Set flash time**” by pressing **[▼]** or **[▲]**, then press the soft key (SELECT).

5 Select the flash time by pressing **[▼]** or **[▲]**.



6 Press the soft key (SAVE), then press **[OFF]**.

Incoming Call Tone Handset Base Unit

During an intercom call (p. 45), you can be informed of incoming calls by two tones. If this feature is turned on, incoming call tones will be heard for as long as the line is ringing. If this feature is set to “2”, incoming call tones will be heard only 2 times. If this feature is turned off, no tones will be heard. This factory preset is “2”.
Using the handset, this feature can be set separately for the handset and base unit.

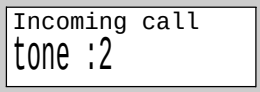
Handset incoming call tone Handset

1 Press **[MENU]**.

2 Press the soft key (**SELECT**) at “**Ringer setting**”.

3 Scroll to “**Incoming call.**” by pressing **[▼]** or **[▲]**, then press the soft key (**SELECT**).

4 Select “**On**”, “**Off**” or “**2**” by pressing **[▼]** or **[▲]**.



5 Press the soft key (**SAVE**), then press **[OFF]**.

Base unit incoming call tone Handset

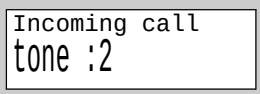
1 Press **[MENU]**.

2 Scroll to “**Initial setting**” by pressing **[▼]** or **[▲]**, then press the soft key (**SELECT**).

3 Scroll to “**Set base unit**” by pressing **[▼]** or **[▲]**, then press the soft key (**SELECT**).

4 Scroll to “**Incoming call.**” by pressing **[▼]** or **[▲]**, then press the soft key (**SELECT**).

5 Select “**On**”, “**Off**” or “**2**” by pressing **[▼]** or **[▲]**.



6 Press the soft key (**SAVE**), then press **[OFF]**.

Key Tone Handset

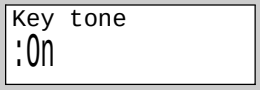
You can select whether or not the handset keys will sound tones (key tone, confirmation tone, error tone). The factory preset is ON.

1 Press **[MENU]**.

2 Scroll to "**Initial setting**" by pressing **[▼]** or **[▲]**, then press the soft key (SELECT).

3 Scroll to "**Key tone**" by pressing **[▼]** or **[▲]**, then press the soft key (SELECT).

4 Select "**Off**" or "**On**" by pressing **[▼]** or **[▲]**.



5 Press the soft key (SAVE), then press **[OFF]**.

Re-registering the Handset Handset & Base Unit

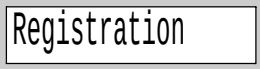
If "**No link to base. Move closer to base and try again.**" is displayed even when using the handset near the base unit, the handset may have lost communication with the base unit. You need to re-register the handset to that base unit.

Make sure the base unit is not being used. Have both the handset and base unit nearby during registration.

1 *Handset:* Press **[MENU]**.

2 *Handset:*
Scroll to "**Initial setting**" by pressing **[▼]** or **[▲]**, then press the soft key (SELECT).

3 *Handset:*
Scroll to "**Registration**" by pressing **[▼]** or **[▲]**, then press the soft key (SELECT).

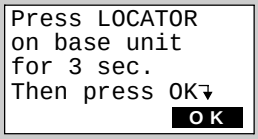


4 *Base unit:*
Press and hold **[LOCATOR/INTERCOM/TRANSFER]** for 3 seconds.

- The CHARGE indicator flashes. After the CHARGE indicator starts flashing, the rest of the procedure must be completed within 1 minute.

5 *Handset:*
(1) Press the soft key (OK).
(2) Wait until a long beep sounds and the display shows the following.

- Registration is complete.



- You can stop registration by pressing **[OFF]** on the handset and pressing **[LOCATOR/INTERCOM/TRANSFER]** on the base unit.

Mailbox Features

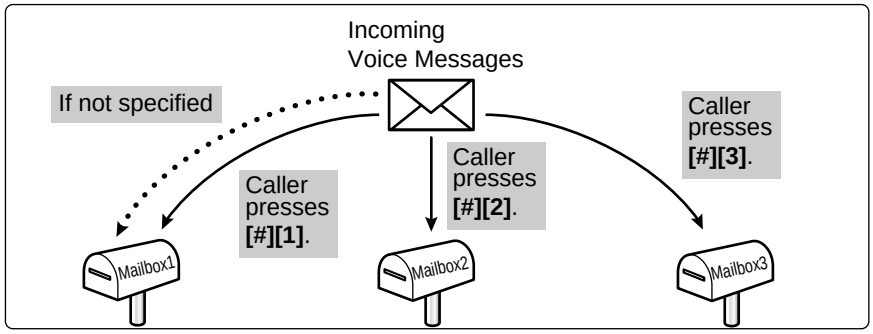
The Answering System provides three voice mailboxes. You can share these mailboxes with other members of your family or office as you wish. Callers from touch tone phones can specify a mailbox in which to leave a message. If callers do not specify a mailbox or call from rotary telephones, messages will be recorded into Mailbox 1.

When someone calls

When the Answering System is on (p. 58), callers will hear a greeting message (p. 22).

— While or after hearing the greeting, callers can specify a mailbox by pressing **[#][1]** (Mailbox 1), **[#][2]** (Mailbox 2) or **[#][3]** (Mailbox 3). They will then hear "Please leave your message", and they can start recording a message.
  • If you would like callers to leave messages in a specific mailbox, we recommend you record a greeting message such as: "Hello, this is (your name and/or number). Sorry, we cannot take your call. If you have a message, for John press **[#]** and **[1]**, for Jane press **[#]** and **[2]**, for Jack press **[#]** and **[3]**, before the beep. Or just stay on the line and leave a message after the beep. Thank you."

— Callers wait until the greeting ends, then they can leave a message. Messages will be automatically recorded into Mailbox 1 if no mailbox is specified.



- The total recording time of all messages (greeting, incoming and memo) is **about 16 minutes** (about 8 minutes in "Enhanced recording" mode, p. 26). If messages are recorded in noisy rooms, the time may be shortened by up to 3 minutes.
- To select the caller's recording time, see page 24.
- A maximum of 64 messages (including the greeting and memo messages) can be recorded.

Useful information

- You can leave a memo message for other users in a mailbox with the base unit (p. 63).
- You can transfer a call to one of the mailboxes, in which callers can leave a message (p. 64).
- If you want to prevent unauthorized people from listening to messages in Mailbox 2 or 3, you can assign a password to each mailbox (p. 57).

Setting the Mailbox Password (for Mailbox 2 and 3)

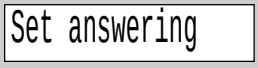
Handset

You can use Mailbox 2 or 3 as personal mailboxes. To prevent unauthorized people from accessing your mailbox and listening to your messages, assign a 2-digit password (00–99) to Mailbox 2 or 3. Each password and the remote code (p. 66) must be unique. Once a password is assigned to Mailbox 2 or 3, no one can listen to messages without entering the password.

1 Press **[MENU]**.

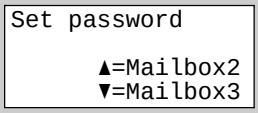
2 Scroll to "**`Initial setting`**" by pressing **[▼]** or **[▲]**, then press the soft key (SELECT).

3 Press the soft key (SELECT) at "**`Set answering`**".



4 Scroll to "**`Set mailbox2&3`**" by pressing **[▼]** or **[▲]**, then press the soft key (SELECT).

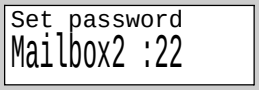
5 Select the mailbox by pressing **[▲]** (Mailbox 2) or **[▼]** (Mailbox 3).



6 Enter a **2-digit password (00–99)**.

- If you entered the wrong password, re-enter the correct one.

Ex. Entered 22.



7 Press the soft key (SAVE).

- If the handset beeps 3 times, you entered the same password as the other mailbox or the remote code (p. 66), or you entered a one-digit password. Start again from step 6 and select another password.

8 Press **[OFF]**.

To confirm the password, repeat steps 1 to 5.

- The password is displayed. When finished, press **[OFF]**.

To erase the password

Press the soft key (CLEAR) in step 6, press the soft key (SAVE), and press **[OFF]**.

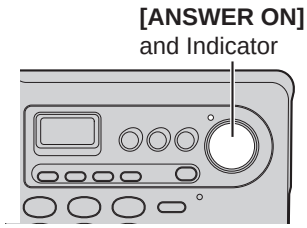
- You can access the mailbox without entering the password.

Automatic Answering Operation

The Answering System allows the unit to answer calls with a greeting message. Callers can then leave a message in a mailbox (p. 56).

Setting the Unit to Answer Calls Base Unit

Press **[ANSWER ON]** to turn on the Answering System.



- The indicator lights and the unit announces "Answer set" and the current day and time. If "Answer set. Set time" is heard, set the date and time (p. 16).
- The unit will announce the remaining recording time if it is less than 3 minutes.
- When no recording time is available, you will need to erase any unnecessary messages before new messages can be recorded (p. 62). The unit can indicate that memory is full in the following ways:
  — "FULL" will flash on the base unit and the ANSWER ON indicator will flash rapidly.
  — The unit will announce "Memory full" when you press **[ANSWER ON]**, **[GREETING REC]**, or **[MEMO]**, and after playing back messages or recording a message.
- If you do not want the unit to answer calls, press **[ANSWER ON]** again to turn off the Answering System. The indicator goes out and "Answer off" is heard.
- You can also turn on the Answering System remotely from an outside phone (p. 68).
- If you subscribe to Caller ID (p. 32), Caller ID information automatically adjusts the date and time when a call is received, provided you have already set the date and time manually (p. 16).

Monitoring Incoming Calls Base Unit

While a caller is leaving a message, you can monitor the call through the base unit speaker.

- To increase the speaker volume while monitoring, press **[▲]**. To decrease volume, press **[▼]**.

To answer a call while monitoring, press **[SP-PHONE]** on the base unit or press **[ ]** or **[ ]** on the handset.

To turn the incoming call monitoring feature off

When the base unit is not in use, press **[GREETING CHECK]**, then press **[▼]** repeatedly until "0" is displayed. (Make sure the Answering System is turned on.)
OR
While monitoring, press **[▼]** repeatedly until "0" is displayed.

- If the incoming call monitoring feature is turned off, it will remain off when the next call is monitored.
- If you adjust the speaker volume while playing back messages or using the speakerphone, the speaker volume for monitoring will be turned on again. To turn the speaker volume off, see "To turn the incoming call monitoring feature off" of above step.

Listening to Messages

Voice Day/Time Stamp: During playback, the unit will announce the day and time when each message was recorded (p. 16).

Using the Base Unit Base Unit

You can see the total number of recorded messages on the base unit display. If the ANSWER ON indicator flashes, new messages have been recorded. The mailbox icons (BOX 1, BOX 2 and BOX 3) which have new messages also flash on the base unit display.

Ex. Mailbox 1 has new messages;
Mailbox 2 has old messages;
Mailbox 3 has no messages.

- If only old messages exist in a mailbox, the mailbox icon will be displayed but will not flash.
- If the Message Alert is turned on (p. 26), the Ringer/Message Alert indicator on the handset will flash slowly when new messages have been recorded and the handset is not in use.

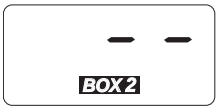
To play back messages

Press the MAILBOX button (**[MAILBOX 1]**, **[MAILBOX 2]**, or **[MAILBOX 3]**).

- The unit announces "Mailbox (No.)" and the number of new messages in the mailbox, then plays back the new messages.
- If the mailbox also contains old messages, only new messages will be played back.
- **When the mailbox has no new messages**, the unit announces "Mailbox (No.)" and "No new messages. All message playback", then plays back all messages in the mailbox.

When Mailbox 2 or 3 has a password

Ex. Mailbox 2



1. Press **[MAILBOX 2]** or **[MAILBOX 3]**.
   - "Enter Mailbox password" will be heard.
2. Enter the Mailbox password (p. 57).
   - The unit announces "Mailbox (No.)" and the number of new messages in the mailbox, then plays back the new messages.
   - If the mailbox also contains old messages, only new messages will be played back.
   - **When the mailbox has no new messages**, the unit announces "Mailbox (No.)" and "No new messages. All message playback", then plays back all messages in the mailbox.

- During playback, the display shows the message number of the mailbox and the mailbox icon.
- At the end of the last message of the mailbox, "End of final message" is heard. The unit will announce the remaining recording time if it is less than 3 minutes.
- When the mailbox has no messages, the unit announces "Mailbox (No.)" and "No messages".
- If a call is received during playback, the unit rings and playback stops. To answer the call, press **[SP-PHONE]**. For playback, start again from the beginning after hanging up.

Listening to Messages

Using the Handset (Remote Operation) Handset

If "PLAY" flashes, there are new messages. If there are only old messages "PLAY" is displayed but will not flash.

- If the Message Alert is turned on (p. 26), the Ringer/Message Alert indicator on the handset will flash slowly when new messages have been recorded and the handset is not in use.

To play back messages

1 Press the soft key (PLAY).

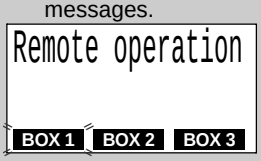
- A beep sounds and "Please select Mailbox" will be heard from the speaker. To switch to the receiver, press **[ ]**. To switch back to the speaker, press **[ ]**.
- The icons for mailboxes that have new messages will flash.

Ex. New messages exist.

2 Press the soft key (BOX 1, BOX 2, or BOX 3).

- If "Enter Mailbox password" is announced and displayed, Mailbox 2 or 3 has a password. Enter the password (p. 57).
- "Mailbox (No.)" and the number of new messages will be announced, and new messages will be played.

Ex. Mailbox 1 has new messages.



- When the mailbox has no new messages, the unit announces "Mailbox (No.)" and "No new messages. All message playback", and plays back all messages in the mailbox.
- To play all messages in the mailbox, press **[5]**.
- If you do not press any button, the voice menu will start (p. 61).

3 To end remote operation, press **[OFF]**.

- If you do not select a mailbox in step 2, messages in Mailbox 1 will be played.
- "PLAY" will remain on the display after listening to messages.
- You can switch to another mailbox by pressing **[#]** and the mailbox number (**[1]** to **[3]**) during the remote operation.
- If a call is received during playback, the unit rings and playback stops. To answer the call, press **[ ]** or **[ ]**. For playback, start again from the beginning after hanging up.
- At the end of the last message, "End of final message" is heard. The unit will announce the remaining recording time if it is less than 3 minutes.
- If you hear "Memory full" after playback, erase unnecessary messages (p. 62).
- When memo messages are played (p. 63), "**MEMO**" is displayed.
- When the mailbox has no messages, the unit announces "Mailbox (No.)" and "No messages".
- During playback, you can turn the Answering System on or off. To turn the system on, press **[8]** during playback. To turn off, press **[0]**.

Voice menu

If you do not press any buttons at the end of the last message, the unit will announce "End of final message" and the voice menu will begin.
The unit announces, "Press 4 to play back new messages. Press 5 to play back all messages."

- You can press buttons for other playback options (see below) or select another mailbox by pressing **[#]** and the mailbox number (**[1]** to **[3]**) even if the voice menu has started.
- If you do not press any button within 10 seconds after the voice menu, the handset will exit remote operation.

For Caller ID service users (p. 32)
During playback, the handset display shows the name and/or number of the caller whose message is being played.

To call the displayed number:
1. Press the soft key (**CALL**).
   - The unit stops playback.
   - If you need to edit the phone number to call back, see page 36.
2. Press the soft key (**CALL**), **[↷]**, or **[🔊]**.
   - The unit dials the phone number.

During playback Base Unit Handset

To adjust the speaker volume	To increase, press **[▲]**. To decrease, press **[▼]**. • You can also adjust the receiver volume on the handset.
To repeat a message	*Base unit:* Press **[|◀◀]**. *Handset:* Press the soft key (**REPEAT**) or **[1]**. • If pressed within the first 5 seconds of playback, the previous message will be played.
To skip a message	*Base unit:* Press **[▶▶|]**. *Handset:* Press the soft key (**SKIP**) or **[2]**.
To stop playback	*Base unit:* Press **[STOP]**. • To resume playback, press the MAILBOX button (**[MAILBOX 1]**, **[MAILBOX 2]**, or **[MAILBOX 3]**) of the message that is being played. • If you do not press any button for 60 seconds or if you press **[STOP]** again, playback mode will be canceled. *Handset:* Press **[9]**. • If you do not press any button within 15 seconds after stopping playback, the voice menu will start (see above).

Erasing Messages

The unit will announce the remaining recording time after playback if it is less than 3 minutes. New messages cannot be recorded when:
— "Memory full" is heard.
— "FULL" flashes on the base unit.
— ANSWER ON indicator flashes rapidly (when the Answering System is on).
Erase unnecessary messages. We recommend you erase unnecessary messages after each playback.

Erasing a specific message

Base Unit

Press **[ERASE]** while the message you want to erase is being played.

- A beep sounds, then the next message is played. To exit playback mode, press **[STOP]** twice.

Handset

Press **[✳][4]** while the message you want to erase is being played.

- A beep sounds, then the next message is played. To exit remote operation mode, press **[OFF]**.

Erasing all messages in the mailbox

All recorded messages, except the greeting message, can be erased at one time.

Base Unit

1 Press **[ERASE]** while the base unit is not being used.
- "To erase all messages, please select Mailbox" is heard.

2 Within 10 seconds, press the MAILBOX button (**[MAILBOX 1]**, **[MAILBOX 2]**, or **[MAILBOX 3]**).
- You can also select the mailbox by pressing the mailbox number (**[1]** to **[3]**).
- If Mailbox 2 or 3 has a password, enter it (p. 57).
- A long beep sounds, then "Mailbox (No.)" and "No messages" are heard.

Handset

1 Press the soft key (PLAY).

2 Press the soft key (BOX 1, BOX 2, or BOX 3).
- If Mailbox 2 or 3 has a password, enter it (p. 57).

3 Press **[✳][5]** to erase all messages in the mailbox.
- A long beep sounds, then "Mailbox (No.)" and "No messages" are heard.
- To end remote operation, press **[OFF]**.

- Information in the Caller List will not be erased. To erase caller information, see page 38.

Recording a Memo Message

Base Unit

You can record a voice memo message of up to 3 minutes in the desired mailbox for other users or yourself.

1 Press **[MEMO]**.

- "Please select Mailbox" is heard.

2 Within 10 seconds, press a MAILBOX button (**[MAILBOX 1]**, **[MAILBOX 2]** or **[MAILBOX 3]**).

- You can also select a mailbox by pressing the mailbox number (**[1]** to **[3]**).

After the long beep, talk clearly 20 cm (8 inches) away from the **MIC**.

- The base unit display shows the elapsed recording time.
- If the elapsed recording time exceeds 99 seconds, the counter continues from 00 to indicate 100 seconds.

3 When finished, press **[MEMO]** or **[STOP]**.

- The ANSWER ON indicator, the mailbox icon (BOX 1, BOX 2, or BOX 3) on the base unit and "PLAY" on the handset flash.

- If you record for over 3 minutes in step 2, the unit will stop recording.
- If "E" is displayed, 6 beeps sound and "Your message was not recorded. Record your message again." is announced, start again from step 1.

Transferring a Call to a Mailbox

Handset

When you answer a call and the caller wants to talk to someone who is not available, you can place the caller into one of the mailboxes, where the caller can leave a message.
Tell the outside caller you will transfer him or her to the desired party's mailbox. Remind the caller to press # (the pound sign) and the mailbox number of the desired party (if necessary).

1 Press **[HOLD/INTERCOM]** during a call.

- The call is put on hold.

```
Press extension#
to transfer

0=Base 9=Mailbox
```

2 Press **[9]** to hang up the call.

After you press **[9]**: The caller will then hear the greeting (p. 22), and while that message is playing the caller can press **[#]** and the mailbox number (**[1]** to **[3]**). Then the caller will hear "Please leave your message". The caller can leave a message in the mailbox.
OR
If the caller does not specify the mailbox, the caller can leave a message in Mailbox 1 after the greeting.

- Even if you subscribe to Caller ID service (p. 32), Caller ID information will not be displayed while the message is being played. The Caller ID information will be recorded in the Caller List (p. 34) if the transferred call is an incoming call.

Interrupting remote operation

If another user is calling from a remote location to access a mailbox and you mistakenly answer the call, repeat steps 1 and 2 above.

- The user can then access a mailbox, by entering the remote code or the mailbox password (see "Remote Operation from a Touch Tone Phone" on page 65).

Remote Operation from a Touch Tone Phone

While outside, you can operate the Answering System from any touch tone phone. A synthesized voice menu will guide you through the Answering System (p. 67).

- To skip the voice menu and operate the unit directly, see page 68.

Summary of remote operation

Call your unit from a touch tone phone.

Enter the remote code (p. 66) during or after the greeting.
- "Mailbox 1" and the number of new messages of Mailbox 1 are heard, and the new messages will be played.

To access Mailbox 2 or 3, press **[#]** and the mailbox number (**[2]** or **[3]**) after entering the remote code.*
- The mailbox number and the number of new messages in the mailbox are heard, and the new messages will be played.

If Mailbox 2 or 3 has a password (p. 57), you can enter the password during or after the greeting, to access the mailbox directly.
- The mailbox number and the number of new messages of the mailbox are heard, and the new messages will be played.

After 3 seconds, the voice menu will start (p. 67).
Follow the menu or enter direct commands (p. 68).

To end remote operation, hang up.
To listen to messages in another mailbox, press **[#]** and the mailbox number (**[1]** to **[3]**).*

* If you hear "Enter Mailbox password" after selecting mailbox 2 or 3, enter the password for the mailbox.
- The unit will announce the remaining recording time after playback if it is less than 3 minutes.
- The messages are saved.
- If the unit announces "No new messages", the mailbox has only old messages. If "No messages" is announced, the mailbox has no messages.

Remote Operation from a Touch Tone Phone

Remote Code Handset

The remote code prevents unauthorized people from accessing your unit and listening to your messages. Choose any **2-digit number (00–99)** for your remote code.
The factory preset remote code is "**11**". If you do not program your own remote code, you can use "11".

1 Press **[MENU]**.

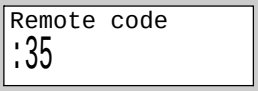
2 Scroll to "**Initial setting**" by pressing **[▼]** or **[▲]**, then press the soft key (SELECT).

3 Press the soft key (SELECT) at "**Set answering**".

4 Scroll to "**Remote code**" by pressing **[▼]** or **[▲]**, then press the soft key (SELECT).

5 Enter a **2-digit remote code (00–99)**.

Ex. Entered 35.



6 Press the soft key (SAVE).

- If the handset beeps 3 times, the entered remote code is the same as the password (p. 57) and cannot be used. Start again from step 5 and select another code.

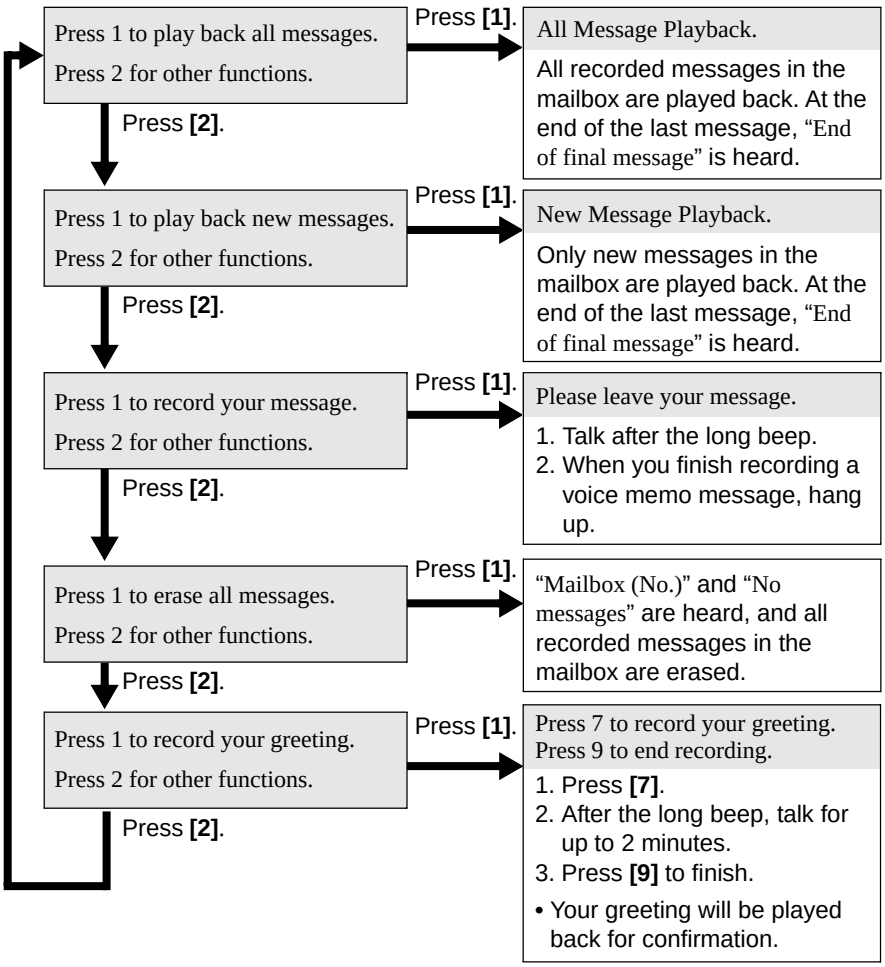
7 Press **[OFF]**.

To confirm the remote code, repeat steps 1 to 4.

- The remote code is displayed. When finished, press **[OFF]**.

Voice Menu

The shaded parts are voice prompts.


Press 1 to play back all messages.
Press 2 for other functions.
Press [1].
All Message Playback.
All recorded messages in the mailbox are played back. At the end of the last message, "End of final message" is heard.
Press [2].
Press 1 to play back new messages.
Press 2 for other functions.
Press [1].
New Message Playback.
Only new messages in the mailbox are played back. At the end of the last message, "End of final message" is heard.
Press [2].
Press 1 to record your message.
Press 2 for other functions.
Press [1].
Please leave your message.
1. Talk after the long beep.
2. When you finish recording a voice memo message, hang up.
Press [2].
Press 1 to erase all messages.
Press 2 for other functions.
Press [1].
"Mailbox (No.)" and "No messages" are heard, and all recorded messages in the mailbox are erased.
Press [2].
Press 1 to record your greeting.
Press 2 for other functions.
Press [1].
Press 7 to record your greeting.
Press 9 to end recording.
1. Press [7].
2. After the long beep, talk for up to 2 minutes.
3. Press [9] to finish.
• Your greeting will be played back for confirmation.
Press [2].

- 3 seconds after playback, the voice menu will start again from the beginning.
- The unit will announce the remaining recording time after playback if it is less than 3 minutes.
- If you hear "Memory full" after playback, erase unnecessary messages (p. 68).
- To switch to another mailbox to listen to messages, press **[#]** and the mailbox number (**[1]** to **[3]**) during remote operation. If you hear "Enter Mailbox password", Mailbox 2 or 3 has a password (p. 57) which must be entered.
- If you do not press any buttons within 10 seconds after a voice prompt, "Thank you for your call" will be heard and the call will be disconnected.

Remote Operation from a Touch Tone Phone

Direct Remote Operation

Once you have accessed one of the mailboxes (p. 65), you can also control your unit by direct commands instead of using the voice menu. To end the remote operation, hang up at anytime.

Direct commands

[4]: Plays back new messages.

[5]: Plays back all messages.

[1]: Repeats the current message.
- If pressed within the first 5 seconds of playback, the previous message will be played.

[2]: Skips the current message.

[9]: Stops the current operation.
- To resume, enter a direct command within 15 seconds, or the voice menu will start (p. 67).

[7] : Records a greeting message.
After the long beep, talk for up to 2 minutes.

[9]: Recording is stopped.
- The greeting is played.

[✳] [4]: Erases the current message.
- A beep will sound and the next message will be played.

[✳] [5]: Erases all messages in the mailbox.
- A long beep will sound, and "Mailbox (No.)" and "No messages" will be heard.

[#] [1]: Selects Mailbox 1.
[#] [2]: Selects Mailbox 2.
[#] [3]: Selects Mailbox 3.
- If Mailbox 2 or 3 has a password (p. 57), enter it.

[0]: Turns off the Answering System.
- The unit hangs up.

Turning on the Answering System

Call your unit and wait for 15 rings.

- The unit will answer and the greeting will be played.
- The Answering System will be turned on. Hang up or enter the remote code for other options.
- When turning on the Answering System using a rotary or pulse service telephone, you cannot enter the remote code for other options.

Skipping the greeting

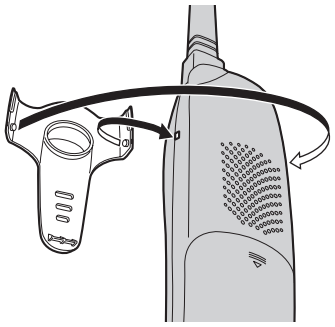
After calling your unit, press **[✳]** during the greeting.

- The unit skips the rest of the greeting and you can start recording your message after the long beep.

Belt Clip

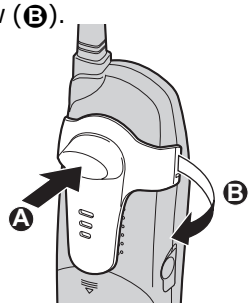
You can hang the handset on your belt or pocket using the included belt clip.

To attach the belt clip



To remove the belt clip

While pressing the top of the clip (Ⓐ), pull the right edge in the direction of the arrow (Ⓑ).

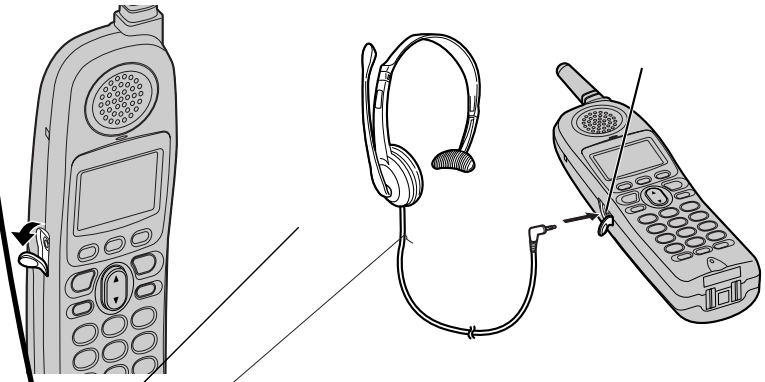


Optional Headset

Connecting an optional headset to the handset allows hands-free phone conversation. Please use only a Panasonic KX-TCA60, KX-TCA86, KX-TCA88, KX-TCA88HA, KX-TCA91, KX-TCA92, or KX-TCA98 headset. To order, call the accessories telephone number on page 2.

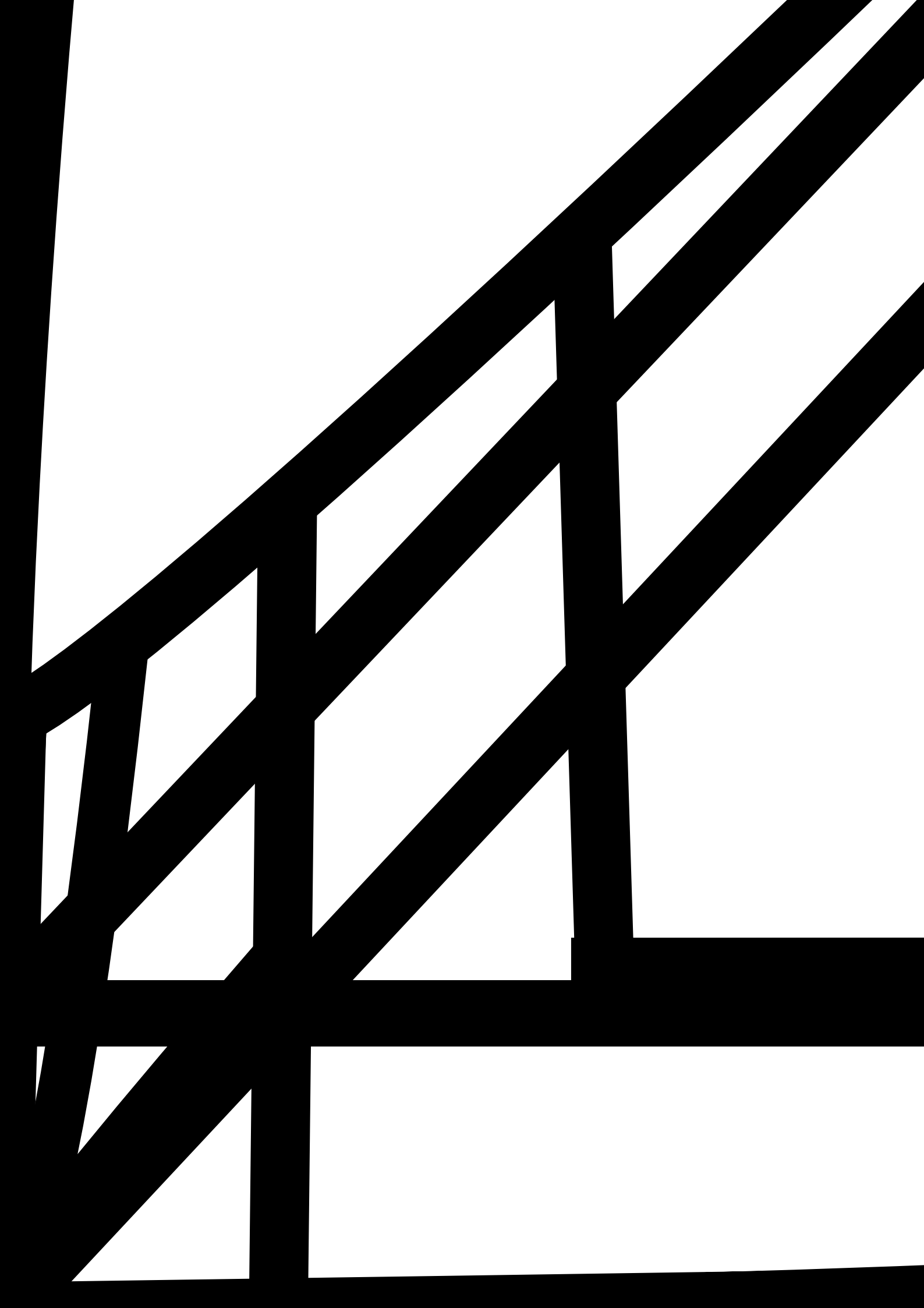
Connecting an optional headset

Open the headset jack cover, and insert the headset plug into the headset jack as shown below.

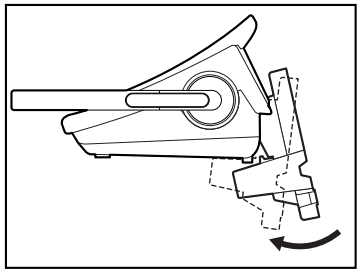


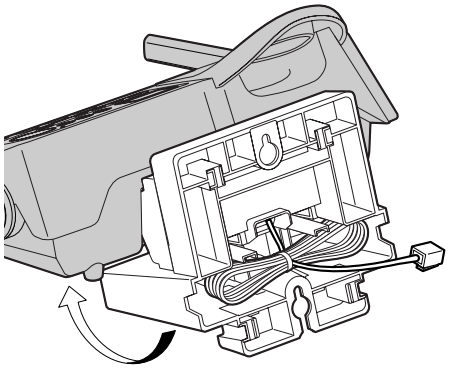
• Headset sold separately. Model shown here is KX-TCA86.

To switch to the speakerphone while using the headset:
Press **[🔊]**. To return to the headset, press **[↩]**.



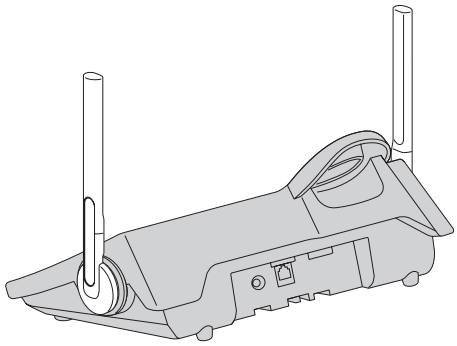
4 Adjust the adaptor to hold the base unit, then push it in the direction of the arrow until it clicks into place.





5 Connect the telephone line cord. Mount the unit, then slide it down.

• Raise the antennas.



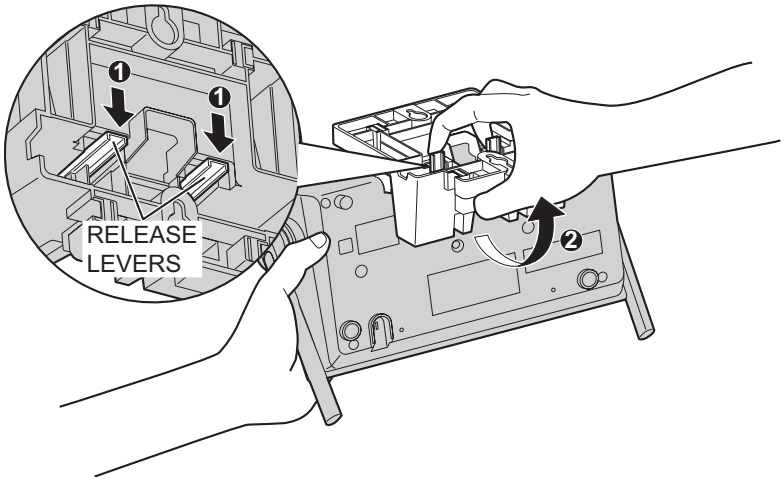
6 **To charge the handset battery:**
Place the handset on the base unit.

• The unit beeps once and the CHARGE indicator lights.

Wall Mounting

To remove the wall mounting adaptor

While pushing down the RELEASE LEVERS (❶), remove the adaptor (❷).



Direct Commands

Handset

After pressing **[MENU]**, you can also program menu items directly by pressing (**[0]** to **[9]**, **[✳]** and **[#]**) instead of using the soft keys.

Menu item	Command	Selection items	Page
Ringer volume	**[1] [1]**	**[0]** : Off **[1]** : Low **[2]** : Medium **[3]** : High	p. 19
Ringer tone (Handset)	**[1] [2]**	**[1]**–**[3]** : Tone pattern 1–3 **[4]**–**[7]** : Melody pattern 1–4 **[8]**–**[9]** : Downloaded melody pattern 1–2 *1	p. 20
Incoming call tone (Handset)	**[1] [3]**	**[1]** : On **[2]** : Twice **[0]** : Off	p. 53
Date and time	**[4]**	Go to Step 3 on page 16.	–
Voice enhancer	**[5]**	**[1]** : On **[0]** : Off	p. 29
Activate Caller IQ *2	**[7] [1]**		–
View information *4	**[7] [2]** *5	Go to Step 4 on page 85.	–
Get new information *3	**[7] [3]** *5	Go to Step 4 on page 84.	–
Turn Caller IQ off *3	**[7] [4]** *5		p. 82
Turn Caller IQ on *3	**[7] [5]** *5		p. 82
Talking Caller ID (Handset)	**[9]**	**[1]** : On **[0]** : Off	p. 33
LCD contrast	**[0] [1]**	**[1]**–**[6]** : Level 1–6	p. 21
Key tone	**[0] [2]**	**[1]** : On **[0]** : Off	p. 54
Auto talk	**[0] [3]**	**[1]** : On **[0]** : Off	p. 18
Caller ID Number Auto Edit	**[0] [4]**	**[1]** : On **[0]** : Off	p. 37
Set dial mode	**[0] [5] [1]**	**[1]** : Pulse **[2]** : Tone	p. 17
Set flash time	**[0] [5] [2]**	**[1]** : 700 ms **[2]** : 600 ms **[3]** : 400 ms **[4]** : 300 ms **[5]** : 250 ms **[6]** : 110 ms **[7]** : 100 ms **[8]** : 90 ms	p. 52
Set line mode	**[0] [5] [3]**	**[1]** : A **[2]** : B	p. 18
Number of rings	**[0] [6] [1]**	**[2]**–**[7]** : 2–7 rings **[0]** : Toll saver	p. 25
Recording time	**[0] [6] [2]**	**[1]** : 1 minute **[2]** : 2 minutes **[3]** : 3 minutes **[0]** : Greeting only	p. 24

Direct Commands

During programming:
When “ ” or “ ” is displayed, press the right soft key **to save the new settings**.
To exit programming, press **[OFF]**.

- If you press the direct command incorrectly, press **[OFF]**, then re-enter programming mode by pressing **[MENU]**.
- 12 m467.46 677.12 lSBT/TT4 1 4CT/TT4 1 4CT/TT4 1 4Cg

If the Following Appear on Your Display...

The following will be displayed on the handset when the unit needs your attention.

Display message	Cause & Remedy
Recharge battery	• The battery needs to be charged. Recharge the battery (p. 13).
Charge for 6 HRS	• The battery has been discharged. The handset will not work. Fully charge the battery (p. 12).
No link to base. Move closer to base and try again.	• The handset has lost communication with the base unit. Walk closer to the base unit, and try again. • Confirm the base unit's AC adaptor is plugged in. • Raise the base unit antennas. • The handset's registration may have been canceled. Re-register the handset (p. 55).
Please lift up and try again.	• A handset button was pressed while the handset was on the base unit. Lift the handset and press the button again.
Busy	• The called base unit is in use.
Error!!	• When you tried to re-register the handset, the handset and base unit could not link for some reason, such as interference from electrical appliances. Move the handset and base unit away from any electrical appliances and try again.
System is busy. Please try again later.	• The Answering System is in use (answering a call or playing back messages). Try again later. • The handset has lost communication with the base unit. Walk closer to the base unit and try again.
Phone book full	• When you tried to store an item in the phone book, the phone book memory was full. Press **[OFF]** to exit programming mode. To erase other items from the phone book, see page 43.

Troubleshooting

If the handset display shows error messages, see "If the Following Appear on Your Display..." (p. 75) for the Cause & Remedy.

Telephone System

Problem	Cause & Remedy
"**No link to base. Move closer to base and try again.**" is displayed and an alarm tone sounds.	• The handset has lost communication with the base unit. Walk closer to the base unit, and try again. • Confirm the base unit's AC adaptor is plugged in. • Raise the base unit antennas. • If the above remedies do not solve the problem, the handset may have lost communication with the base unit. Register the handset again (p. 55).
Static, sound cuts in/out, fades. Interference from other electrical units.	• Move the handset and base unit away from other electrical appliances (p. 3). • Walk closer to the base unit. • Raise the base unit antennas. • Turn on the Clarity Booster feature (p. 29). • If the unit is connected to a telephone line with DSL service, you may hear noise from the receiver or speaker during conversations. We recommend connecting a noise filter (contact your DSL service provider) to the telephone line between the unit and the telephone line jack.
The base unit and/or handset does not ring.	• The ringer volume is turned off. Set to high, medium, or low (p. 19, 20).
The handset display is blank.	• If the handset display is blank, fully charge the battery (p. 12).
You cannot program any function items.	• Programming is not possible while the handset and/or base unit is being used. • Do not pause for over 60 seconds while programming. • Walk closer to the base unit. • While another user is listening to messages or the Answering System is handling a call, you cannot program. Try again later.
While programming or searching, the handset or base unit starts to ring and the program/search stops.	• A call is coming in. To answer the call, press **[ ]**, **[ ]** or **[SP-PHONE]**. Start again from the beginning after hanging up.

Problem	Cause & Remedy
You cannot make an intercom/ outside call.	• Your handset is in remote operation mode (p. 60). Exit by pressing **[OFF]**. • The handset you called is too far from the base unit.
You cannot redial.	• If the last number dialed was more than 48 digits long, the number will not be redialed correctly. • The **[REDIAL/PAUSE]** button on the base unit functions as either redial or pause. It will redial the last number dialed if pressed before dialing any digits (p. 30). If another number has been dialed first, it will operate as a pause button (p. 50).
You cannot make long distance calls.	• Please make sure you have long distance service. • Check if Caller IQ feature is turned on. Turn Caller IQ feature off (p. 82).
The handset does not display the caller's name and/or phone number.	• You have not subscribed to Caller ID service. Contact your telephone company to subscribe. • If your unit is connected to any additional telephone equipment such as Caller ID box or wireless telephone jack, disconnect the unit from the equipment and plug the unit directly into the wall jack. • If the unit is connected to a telephone line with DSL service, the unit may not display caller's name and/or phone number properly. We recommend connecting a noise filter (contact your DSL service provider) to the telephone line between the unit and the telephone line jack. • The name display service may not be available in some areas. Contact your telephone company for details. • Other telephone equipment may be interfering with this unit. Disconnect the other equipment and try again. • The caller requested not to send caller information (p. 32). • If a call is being transferred to you, the caller information will not be displayed. • Generally caller information is displayed from the 2nd ring.

Troubleshooting

Problem	Cause & Remedy
The handset and/or base unit does not announce the displayed caller's name.	• The handset and/or base unit ringer volumes are turned off. Set to high, medium, or low (p. 19, 20). • The Talking Caller ID feature is turned off. Turn it on (p. 33, 34).
The handset and/or base unit does not announce the displayed caller's name properly.	• Name pronunciation may vary. Name pronunciation quality is based on names most commonly used in the United States. • The handset and/or base unit will announce each letter of abbreviations, such as "Co." and "Inc.". • Caller ID supports names of up to 15 letters. If the caller's name has more than 15 letters, the name will not be announced correctly.
The handset cannot automatically edit the Caller List/incoming phone numbers.	• The Caller ID Number Auto Edit feature is turned off. Turn it on (p. 37) and try again. • You need to press **[ ]** or **[ ]** after editing the number.
The handset display exits the Caller List or phone book.	• Do not pause for over 60 seconds while searching.
The Ringer/Message Alert indicator flashes slowly when the handset is not ringing and in use.	• The Message Alert is turned on and new messages have been recorded. Turn the Message Alert off (p. 26) or listen to the new messages (p. 59, 60, 65).
You cannot have a conversation using the headset.	• Make sure the optional headset is connected properly (p. 69). • If "**SP-phone**" is displayed on the handset, press **[ ]** to switch to the headset.

Answering System

Problem	Cause & Remedy
The Answering System is on, but incoming messages are not recorded.	• The recording time is set to “Greeting only”. Select “1 minute”, “2 minutes” or “3 minutes” (p. 24). • Memory is full. Erase unnecessary messages (p. 62).
“ FULL ” flashes and the ANSWER ON indicator flashes rapidly. No new messages are recorded.	• Memory is full. Erase unnecessary messages (p. 62).
You cannot access a mailbox from the base unit or the handset.	• If another user is listening to messages or the Answering System is handling a call, you cannot access the mailbox. Try again later.
You cannot access a mailbox from a touch tone phone.	• Make sure you entered the correct remote code (p. 66). • If “Enter Mailbox password” is heard, Mailbox 2 or 3 has a password which must be entered (p. 57). • The Answering System may not respond if the tones are too short to activate the unit. Press each button firmly. • The Answering System is off. Turn it on (p. 68).
When you play back messages or turn on the Answering System, the base unit and handset announce the wrong day and time.	• The date and time may be set incorrectly. Set the date and time again (p. 16).
Caller ID information is not displayed during message playback (p. 61).	• Caller ID information will not be displayed — if a message is recorded by using **[MEMO]** (p. 63), or — if a call is transferred to a mailbox and the caller leaves a message (p. 64).

Problem	Cause & Remedy
You cannot remember your mailbox password. You cannot retrieve the messages from your mailbox.	• Confirm the mailbox password using the handset (p. 57). • If you cannot use the handset, you can retrieve the messages from your mailbox after erasing the password, using the base unit; Press **[PROGRAM]**, **[MUTE]**, **[#]**, and **[9][0][0][0]**. Please note that the following settings will return to the factory preset with the Mailbox 2 and 3 passwords.

Function	Factory preset
Date & time	—
Dialing mode	Tone
Flash time	700ms
Line mode	B mode
Answering System	On
Number of rings	4
Recording time	3 min
Remote code	11
Recording mode	Standard (16 min)
Base unit ringer volume	High
Base unit ringer tone	Tone 1
Base unit incoming call tone	2
Base unit Talking Caller ID	On
Caller IQ feature	Off

General

Problem	Cause & Remedy
The handset and/or base unit does not work.	• Check the settings (p. 11–13). • Check whether the dialing mode setting is correct (p. 17). • Fully charge the battery (p. 12). • Clean the charge contacts and charge again (p. 13). • Check battery installation (p. 12). • Unplug the base unit's AC adaptor to reset it. Plug in, and try again. • Re-install the battery (p. 12) and fully charge it.

Problem	Cause & Remedy
"**Recharge battery**" is displayed, "[battery]" flashes, or the handset beeps intermittently.	• Fully charge the battery (p. 12).
"**Charge for 6 HRS**" and "[battery]" are displayed and the handset does not work.	• The battery has been discharged. Fully charge the battery (p. 13).
You charged the battery fully, but "**Recharge battery**" is still displayed and/or "[battery]" continues to flash, or "**Charge for 6 HRS**" and "[battery]" are displayed.	• Clean the charge contacts and charge again (p. 13). • The battery may need to be replaced. If you install a new battery, fully charge it (p. 12, 13).
The CHARGE indicator does not go out after the battery has been charged.	• This is normal.
If you cannot solve your problem	• Visit our website: http://www.panasonic.com/consumersupport • Contact us via the web at: http://www.panasonic.com/contactinfo • Call our customer call center at: 1-800-211-PANA(7262)

openLCR service for Caller IQ

Problem	Cause & Remedy
When you try to download the data from openLCR, the voice prompt is not announced from the handset while "**Listen & follow phone guidance.**" is being displayed.	• Check the settings (p. 11–13). • Dialing to openLCR may have been disconnected. Try again (p. 84). • If you cannot solve a problem, consult openLCR (see below).
For more information about Caller IQ	• Call openLCR's customer service department at 1-866-openLCR(1-866-673-6527). • openLCR's web site: www.openLCR.com

For assistance, please call: 1-800-211-PANA(7262)

For assistance, please call openLCR: 1-866-openLCR(1-866-673-6527)

openLCR Service for Caller IQ

The unit is compatible with services provided by openLCR.

Important:

- **If you have any questions regarding the openLCR service, call openLCR's customer service department at 1-866-openLCR(1-866-673-6527).**
- NEITHER PANASONIC COMMUNICATIONS CO., LTD. NOR MATSUSHITA ELECTRIC CORPORATION OF AMERICA IS IN ANY WAY AFFILIATED WITH, OR RESPONSIBLE FOR THE ACTS OR OMISSIONS OF, OPENLCR.COM, INC. NEITHER PANASONIC COMMUNICATIONS CO., LTD. NOR MATSUSHITA ELECTRIC CORPORATION OF AMERICA NOR ANY OF THEIR EMPLOYEES OR AFFILIATES OR CUSTOMERS MAKE ANY WARRANTIES OR REPRESENTATIONS, EITHER EXPRESS OR IMPLIED, TO ANY CUSTOMER OR ANY OTHER THIRD PARTY WITH RESPECT TO ANY OF THE SERVICES PROVIDED BY OPENLCR.COM, INC., NOR ASSUME NOR CREATE ANY OTHER OBLIGATION OF ANY KIND ON BEHALF OF OPENLCR.COM, INC.

Turning on or off Caller IQ Feature Handset

After the first download to your phone, Caller IQ features are automatically turned on. If you wish, you can turn off Caller IQ.

- When Caller IQ is on, "**[CIQ]**" is displayed while talking.

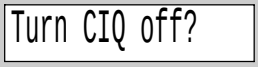
To turn off Caller IQ feature (when it is already on.)

1 Press **[MENU]**.

2 Scroll to "**Caller IQ**" by pressing **[▼]** or **[▲]**, then press the soft key (**SELECT**).

3 Scroll to "**Turn CIQ off?**" by pressing **[▼]** or **[▲]**, then press the soft key (**YES**).

- "**Caller IQ off**" is displayed.



4 Press **[OFF]**.

To turn on Caller IQ feature (after it was turned off)

1 Follow steps 1 to 2 of "To turn off Caller IQ feature" above.

2 Press the soft key (**YES**) at "**Turn CIQ on?**".

- "**Caller IQ on**" is displayed.

3 Press **[OFF]**.

Downloading Data

You can download the following data to your unit from the openLCR web site.

- Phone book data
- Ringer melodies (Custom ringtone)
- Function setup for your unit
- Information such as weather forecasts, stock quotes, lottery results, sports scores and horoscopes (Internet content)

Accessing the openLCR web site can be done from any computer with Internet access.

- While downloading from openLCR, "dL" flashes on the base unit display.

To create data on the openLCR web site

1 Access the openLCR's web site at **www.openLCR.com** and click on the "Manage Account/Login" tab.

2 Enter your Telephone Number and Password, then click Accept.

3 Follow the on-screen instructions.

Phone book data:

- To create the phone book data, enter a name of up to 16 characters, and a phone number of up to 32 digits.

Ringer melodies:

- The unit stores up to 2 ringer melodies in the handset and base unit separately and you can select up to 2 ringer melodies as ringer tone(p. 73, 74, 85)

Function setup:

- See openLCR's web site for function items available for download.

Information:

- You can select the information which you want to show on the handset display.

- The description on the openLCR web screen is subject to change without notice.

openLCR Service for Caller IQ

To download data from openLCR Handset

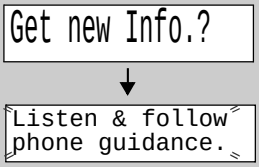
Each time you download data (p. 83) from openLCR, the information stored in your unit will be updated. To view up-to-date information, you will need to download it to your unit.
• You can select the items of information on the web site which you want to view.
• Horoscopes are for entertainment purposes only.

1 Press **[MENU]**.

2 Scroll to "**`Caller IQ`**" by pressing **[▼]** or **[▲]**, then press the soft key (**SELECT**).

3 Scroll to "**`Get new Info.?`**" by pressing **[▼]** or **[▲]**, then press the soft key (**YES**).
- The unit will dial openLCR automatically.
- A voice prompt will be heard.

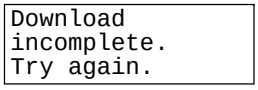
If you live in or move from another area to Fort Collins, Colorado, press **[#]** before pressing the soft key (**YES**).



4 Follow the voice prompt to start downloading.
- If you have rotary or pulse service, you need to press **[✳]** to change the dialing mode temporarily to tone, before following the voice prompt.
- After downloading starts, the handset must be off-hook. DO NOT PLACE the handset on the base unit. Placing the handset on the base unit will terminate the download process. DO NOT PRESS **[OFF]** (pressing **[OFF]** will terminate the download process).

5 When downloading is complete, a beep sounds.

• You can also go to the Caller IQ menu after pressing **[📞]** or **[🔊]**.
Press **[MENU]**, then **[3]** to select "**`3=Caller IQ`**". Follow steps 3 to 5 above.
• If the handset beeps 3 times and the following is displayed, the unit has lost communication with openLCR. Store items by following the steps below.



1. Access the openLCR web site.
2. Go to the web screen to create the data.
   • To download the phone book data, check the "Re-Download All" box, then click Save. Then go to step 3.
3. Start again from step 1 ("To download data from openLCR").

- If the handset beeps 3 times and the following is displayed, some items could not be stored in the phone book. Store items by following the steps below.

```
Download
incomplete.
Phone book full.
```

  1. Erase items which do not exist on the web from the phone book of the unit (p. 43).
  2. Access the openLCR web site.
  3. Go to the web screen to create the phone book data.
  4. Check the “Re-Download All” box, then click Save.
  5. Start again from step 1 (“To download data from openLCR” on page 84).
- You cannot access the openLCR server if a telephone or fax machine on the same phone line is in use simultaneously.
- While the unit is downloading data from openLCR, the Call Waiting Service cannot be used.

To use downloaded melodies as the ringer tone

The melody(ies) you download from openLCR are stored in the base unit and the handset and will be heard when you receive an outside call. The names of each melody (up to 14 characters) are also downloaded.

To select the desired melody, go to the Ringer tone menu in the Ringer setting menu (p. 20). Downloaded melody 1 and 2 can also be selected by:
— If using the handset, press **[▼]**, **[▲]**, **[8]** or **[9]**.
— If using the base unit, press **[|◀◀]**, **[▶▶|]**, **[8]** or **[9]**.

To view information

1 Press **[MENU]**.

2 Scroll to “**Caller IQ**” by pressing **[▼]** or **[▲]**, then press the soft key (**SELECT**).

```
Caller IQ
```

3 Press the soft key (**YES**) at “**View Info.?**”.

```
View Info.?
```

- The items of information which you selected on the web are displayed.
- If information is not downloaded to your unit, “**Get new Info.?**” will be displayed. To download information, see page 84.

4 Scroll to the desired information by pressing **[▼]** or **[▲]**.

- You can also select the desired information by pressing dialing buttons.

5 When finished, press **[OFF]** or place the handset on the base unit.

Important Safety Instructions

When using this unit, basic safety precautions should always be followed to reduce the risk of fire, electric shock, or personal injury.

1. Read and understand all instructions.
2. Follow all warnings and instructions marked on this unit.
3. Unplug this unit from AC outlets before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.
4. Do not use this unit near water, for example, near a bathtub, washbowl, kitchen sink, or the like.
5. Place this unit securely on a stable surface. Serious damage and/or injury may result if the unit falls.
6. Do not cover slots and openings on the unit. They are provided for ventilation and protection against overheating. Never place the unit near radiators, or in a place where proper ventilation is not provided.
7. Use only the power source marked on the unit. If you are not sure of the type of power supplied to your home, consult your dealer or local power company.
8. Do not place objects on the power cord. Install the unit where no one can step or trip on the cord.
9. Do not overload wall outlets and extension cords. This can result in the risk of fire or electric shock.
10. Never push any objects through slots in this unit. This may result in the risk of fire or electric shock. Never spill any liquid on the unit.
11. To reduce the risk of electric shock, do not disassemble this unit. Take the unit to an authorized servicenter when service is required. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electric shock when the unit is subsequently used.
12. Unplug this unit from the wall outlet and refer servicing to an authorized servicenter when the following conditions occur:
    A. When the power supply cord or plug is damaged or frayed.
    B. If liquid has been spilled into the unit.
    C. If the unit has been exposed to rain or water.
    D. If the unit does not work normally by following the operating instructions. Adjust only controls covered by the operating instructions. Improper adjustment may require extensive work by an authorized servicenter.
    E. If the unit has been dropped or physically damaged.
    F. If the unit exhibits a distinct change in performance.
13. During thunderstorms, avoid using telephones except cordless types. There may be a remote risk of an electric shock from lightning.
14. Do not use this unit to report a gas leak, when in the vicinity of the leak.

SAVE THESE INSTRUCTIONS

CAUTION:

To reduce the risk of fire or injury to persons, read and follow these instructions.

1. Use only the battery(ies) specified.
2. Do not dispose of the battery(ies) in a fire. They may explode. Check with local waste management codes for special disposal instructions.
3. Do not open or mutilate the battery(ies). Released electrolyte is corrosive and may cause burns or injury to the eyes or skin. The electrolyte may be toxic if swallowed.
4. Exercise care in handling batteries in order not to short the battery to conductive materials such as rings, bracelets, and keys. The battery and/or conductor may overheat and cause burns.
5. Charge the battery(ies) provided with or identified for use with this product only in accordance with the instructions and limitations specified in this manual.

WARNING:

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS PRODUCT TO RAIN OR ANY TYPE OF MOISTURE.

- The AC adaptor is used as the main disconnect device, ensure that the AC outlet is located/installed near the unit and is easily accessible.

FCC and Other Information

This equipment complies with Part 68 of the FCC rules and the requirements adopted by the ACTA. On the bottom of this equipment is a label that contains, among other information, a product identifier in the format US:ACJ-----.
If requested, this number must be provided to the telephone company.

Registration No. .....(found on the bottom of the unit)
Ringer Equivalence No. (REN).....0.1B

A plug and jack used to connect this equipment to the premises wiring and telephone network must comply with the applicable FCC Part 68 rules and requirements adopted by the ACTA. A compliant telephone cord and modular plug is provided with this product. It is designed to be connected to a compatible modular jack that is also compliant.

The REN is used to determine the number of devices that may be connected to a telephone line. Excessive RENs on a telephone line may result in the devices not ringing in response to an incoming call. In most but not all areas, the sum of RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to a line, as determined by the total RENs, contact the local telephone company. For products approved after July 23, 2001, the REN for this product is part of the product identifier that has the format US:AAAEQ##TXXXX. The digits represented by ## are the REN without a decimal point (e.g., 03 is a REN of 0.3).

If this equipment causes harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required. But if advance notice isn't practical, the telephone company will notify the customer as soon as possible. Also, you will be advised of your right to file a complaint with the FCC if you believe it is necessary.

The telephone company may make changes in its facilities, equipment, operations or procedures that could affect the operation of the equipment. If this happens the telephone company will provide advance notice in order for you to make necessary modifications to maintain uninterrupted service.

If trouble is experienced with this equipment, for repair or warranty information, please contact a Factory Servicenter or other Authorized Servicer. If the equipment is causing harm to the telephone network, the telephone company may request that you disconnect the equipment until the problem is resolved.

Connection to party line service is subject to state tariffs. Contact the state public utility commission, public service commission or corporation commission for information.

If your home has specially wired alarm equipment connected to the telephone line, ensure the installation of this equipment does not disable your alarm equipment. If you have questions about what will disable alarm equipment, consult your telephone company or a qualified installer.

WHEN PROGRAMMING EMERGENCY NUMBERS AND(OR) MAKING TEST CALLS TO EMERGENCY NUMBERS:
1) Remain on the line and briefly explain to the dispatcher the reason for the call.
2) Perform such activities in the off-peak hours, such as early morning or late evenings.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Privacy of communications may not be ensured when using this phone.

CAUTION:
Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device.

Note:
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
— Reorient or relocate the receiving antenna.
— Increase the separation between the equipment and receiver.
— Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
— Consult the dealer or an experienced radio/TV technician for help.

Some cordless telephones operate at frequencies that may cause interference to nearby TVs and VCRs. To minimize or prevent such interference, the base of the cordless telephone should not be placed near or on top of a TV or VCR. If interference is experienced, move the cordless telephone further away from the TV or VCR. This will often reduce, or eliminate, interference.

Operating near 5.8GHz electrical appliances may cause interference. Move away from the electrical appliances.

FCC RF Exposure Warning:
This product complies with FCC radiation exposure limits set forth for an uncontrolled environment. To comply with FCC RF exposure requirements the base unit must be installed and operated with its antenna located 20 cm or more between antenna and all person's body (excluding extremities of hands, wrist and feet). The handset unit may be carried and operated with only the specific provided belt-clip. Other non-tested belt-clips or similar body-worn accessories may not comply and must be avoided. The base and handset units must not be co-located or operated in conjunction with any other antenna or transmitter.

This equipment is hearing aid compatible as defined by the FCC in 47 CFR Section 68.316.

When you hold the phone to your ear, noise might be heard in your Hearing Aid. Some Hearing Aids are not adequately shielded from external RF (radio frequency) energy. If noise occurs, use an optional headset accessory or the speakerphone option (if applicable) when using this phone. Consult your audiologist or Hearing Aid manufacturer about the availability of Hearing Aids which provide adequate shielding to RF energy commonly emitted by digital devices.

FCC and Other Information

The software contained in this equipment to allow user access to the network must be ungraded to recognize newly established network area codes and exchange codes as they are placed into service.

Failure to upgrade the premises systems or peripheral equipment to recognize the new codes as they are established will restrict the customer and the customer's employees from gaining access to the network and to these codes.

- **Environment** — do not place the unit in a room where the temperature is less than 5°C (41°F) or greater than 40°C (104°F). Allow 10 cm (4") clearance around the unit for proper ventilation. Avoid excessive smoke, dust, mechanical vibration, shock, or direct sunlight.
- **Medical** — consult the manufacturer of any personal medical devices, such as pacemakers or hearing aids, to determine if they are adequately shielded from external RF (radio frequency) energy. (The unit operates in the frequency range of 5760 MHz to 5840 MHz, and the power output level can range from 0.25 to 0.5 watts.) Do not use the unit in health care facilities if any regulations posted in the area instruct you not to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF (radio frequency) energy.
- **Routine care** — wipe the unit with a soft cloth. Do not use benzine, thinner, or any abrasive powder. When you leave the unit unused for a long period of time, unplug the AC adaptor from the outlet.
- **If there is any trouble** — disconnect the unit from the telephone line and connect a known working phone. If the known working phone operates properly, have your unit repaired by one of the authorized Panasonic Factory Service Centers. If the known working phone does not operate properly, consult your telephone company.

PANASONIC CONSUMER ELECTRONICS COMPANY, DIVISION OF MATSUSHITA ELECTRIC CORPORATION OF AMERICA
One Panasonic Way
Secaucus, New Jersey 07094

PANASONIC SALES COMPANY, DIVISION OF MATSUSHITA ELECTRIC OF PUERTO RICO, INC.,
Ave. 65 de Infanteria, Km. 9.5
San Gabriel Industrial Park
Carolina, Puerto Rico 00985

Panasonic Telephone Products Limited Warranty

Limited Warranty Coverage

If your product does not work properly because of a defect in materials or workmanship, Panasonic Consumer Electronics Company or Panasonic Sales Company (collectively referred to as "the warrantor") will, for the length of the period indicated on the chart below, which starts with the date of original purchase ("Limited Warranty period"), at its option either (a) repair your product with new or refurbished parts, or (b) replace it with a new or a refurbished product. The decision to repair or replace will be made by the warrantor.

Parts	Labor
One (1) Year	One (1) Year

During the "Labor" Limited Warranty period there will be no charge for labor. During the "Parts" Limited Warranty period, there will be no charge for parts. You must mail-in your product during the Limited Warranty period. This Limited Warranty excludes both parts and labor for batteries, antennas, and cosmetic parts (cabinet). This Limited Warranty only applies to products purchased and serviced in the United States or Puerto Rico. This Limited Warranty is extended only to the original purchaser and only covers products purchased as new.

Mail-In Service

For assistance in the continental U.S.A. in obtaining repairs please ship the product to:

Panasonic Services Company Customer Servicenter
4900 George McVay Drive Suite B Door #12 McAllen, TX 78503

For assistance in Puerto Rico call Panasonic Sales Company (787)-750-4300 or fax (787)-768-2910.

For Limited Warranty service for headsets if a headset is included with this product please call Panasonic Call Center at 1-800-211-PANA (7262).

When shipping the unit carefully pack, include all accessories, and send it prepaid, adequately insured and preferably in the original carton. Include a letter detailing the complaint and provide a day time phone number where you can be reached.

IF REPAIR IS NEEDED DURING THE LIMITED WARRANTY PERIOD THE PURCHASER WILL BE REQUIRED TO FURNISH A SALES RECEIPT/PROOF OF PURCHASE INDICATING DATE OF PURCHASE, AMOUNT PAID AND PLACE OF PURCHASE. CUSTOMER WILL BE CHARGED FOR THE REPAIR OF ANY UNIT RECEIVED WITHOUT SUCH PROOF OF PURCHASE.

Limited Warranty Limits And Exclusions

This Limited Warranty ONLY COVERS failures due to defects in materials or workmanship, and DOES NOT COVER normal wear and tear or cosmetic damage. The Limited Warranty ALSO DOES NOT COVER damages which occurred in shipment, or failures which are caused by products not supplied by the warrantor, or failures which result from accidents, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, set-up adjustments, misadjustment of consumer controls, improper maintenance, power line surge, lightning damage, modification, introduction of sand, humidity or liquids, commercial use such as hotel, office, restaurant, or other business or rental use of the product, or service by anyone other than a Factory Servicenter or other Authorized Servicer, or damage that is attributable to acts of God.

THERE ARE NO EXPRESS WARRANTIES EXCEPT AS LISTED UNDER "LIMITED WARRANTY COVERAGE". THE WARRANTOR IS NOT LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS LIMITED WARRANTY. (As examples, this excludes damages for lost time, lost calls or messages, cost of having someone remove or re-install an installed unit if applicable, travel to and from the servicer. The items listed are not exclusive, but are for illustration only.) **ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTY OF MERCHANTABILITY, ARE LIMITED TO THE PERIOD OF THE LIMITED WARRANTY.**

Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the exclusions may not apply to you.

This Limited Warranty gives you specific legal rights and you may also have other rights which vary from state to state. If a problem with this product develops during or after the Limited Warranty period, you may contact your dealer or Servicenter. If the problem is not handled to your satisfaction, then write to the warrantor's Consumer Affairs Department at the addresses listed for the warrantor.

PARTS AND SERVICE, WHICH ARE NOT COVERED BY THIS LIMITED WARRANTY, ARE YOUR RESPONSIBILITY.

Customer Services Directory

Obtain Product Information and Operating Assistance; locate your nearest Dealer or Servicenter; purchase Parts and Accessories; or make Customer Service and Literature requests by visiting our Web Site at:

http://www.panasonic.com/consumersupport

or, contact us via the web at:

http://www.panasonic.com/contactinfo

You may also contact us directly at: 1-800-211-PANA (7262), Monday-Friday 9 am-9 pm; Saturday-Sunday 10 am-7 pm, EST.

For hearing or speech impaired TTY users, TTY : 1-877-833-8855

Accessory Purchases

Purchase Parts, Accessories and Instruction Books online for all Panasonic Products by visiting our Web Site at:

http://www.pasc.panasonic.com

or, send your request by E-mail to:

npcparts@us.panasonic.com

You may also contact us directly at:
1-800-332-5368 (Phone) 1-800-237-9080 (Fax Only)
(Monday - Friday 9 am to 8 pm, EST.)
Panasonic Services Company
20421 84th Avenue South, Kent, WA 98032
(We Accept Visa, MasterCard, Discover Card, American Express, and Personal Checks)

For hearing or speech impaired TTY users, TTY : 1-866-605-1277

Service in Puerto Rico

Matsushita Electric of Puerto Rico, Inc. Panasonic Sales Company
Factory Servicenter:
Ave. 65 de Infantería, Km. 9.5, San Gabriel Industrial Park,
Carolina, Puerto Rico 00985
Phone (787)750-4300, Fax (787)768-2910

Specifications

■ **Handset**

Power Supply:	Ni-MH battery (3.6 V, 830 mAh)
Frequency:	5.76 GHz – 5.84 GHz
Dimensions (H x W x D):	Approx. 220 mm x 53 mm x 37 mm (8 $^{21}/_{32}$" x 2 $^{3}/_{32}$" x 1 $^{15}/_{32}$")
Mass (Weight):	Approx. 210 g (0.46 lb.)
Security Codes:	1,000,000

■ **Base Unit**

Power Supply:	AC adaptor (120 V AC, 60 Hz)
Power Consumption:	Standby: Approx. 2.5 W Maximum: Approx. 6.0 W
Frequency:	5.76 GHz – 5.84 GHz
Dimensions (H x W x D):	Approx. 107 mm x 251 mm x 135 mm (4 $^{7}/_{32}$" x 9 $^{7}/_{8}$" x 5 $^{5}/_{16}$")
Mass (Weight):	Approx. 480 g (1.06 lb.)

■ **Dialing Mode:** Tone (DTMF)/Pulse

■ **Operating Environment:** 5 °C – 40 °C (41 °F – 104 °F)

Specifications are subject to change without notice.

Energy Star:

As an ENERGY STAR® Participant, Panasonic has determined that this product meets the ENERGY STAR guidelines for energy efficiency. ENERGY STAR is a U.S. registered mark.

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For product service

- Visit our website: http://www.panasonic.com/consumersupport
- Contact us via the web at: http://www.panasonic.com/contactinfo
- Call us at: 1-800-211-PANA(7262)

When you ship the product

- Carefully pack your unit, preferably in the original carton.
- Attach a letter, detailing the symptom, to the outside of the carton.

Symptom

- Send the unit to an authorized servicenter, prepaid and adequately insured.
- Do not send your unit to the Panasonic Consumer Electronics Company listed below or to executive or regional sales offices. These locations do not repair consumer products.

For your future reference

Serial No. _____ Date of purchase _____

(found on the bottom of the unit)

Name and address of dealer

- This cordless telephone is designed for use in the United States of America. Sale or use of this product in other countries may violate local laws.
- Ce téléphone sans fil est conçu pour être utilisé aux États-Unis d'Amérique. La vente ou l'emploi de cet appareil dans certains autres pays peut constituer une infraction à la législation locale.
- Este teléfono inalámbrico fue elaborado para uso en los Estados Unidos de América. La venta o el empleo de este producto en ciertos países puede constituir violación de la legislación local.
- このコードレス電話機は、日本国外での使用を目的として設計されており、日本国内での使用は法律違反となります。従って、当社では日本国内においては原則として修理などのサービスは致しかねます。

If you need assistance with setup or operation, please call 1-800-211-PANA(7262)
For hearing or speech impaired TTY users, TTY : 1-877-833-8855

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